



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

*** *** ***



AUTO SAFETY HOTLINE
(800) 424-9393
Wash. D.C. Area 366-0123



CASE SUMMARY

PSU 45 CASE NO. 121F TYPE OF ACCIDENT Car/Car/Car - Rear to Front

A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

(Provide a summary of the accident sequence as well as any particular event of the accident that is noteworthy. Injury mechanism and vehicle crashworthiness is the focus, not driver culpability. **Do not include any personal identifiers.** Use reverse side if needed.)

Vehicle #3 was stopped, preparing to turn left across two lanes of traffic on a four lane highway. Vehicle #2 was stopped behind Vehicle #3. Vehicle #1 came up behind Vehicle #2 but couldn't stop and contacted Vehicle #2 in the rear. This forced Vehicle #2 to contact the rear of Vehicle #3.

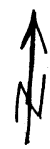
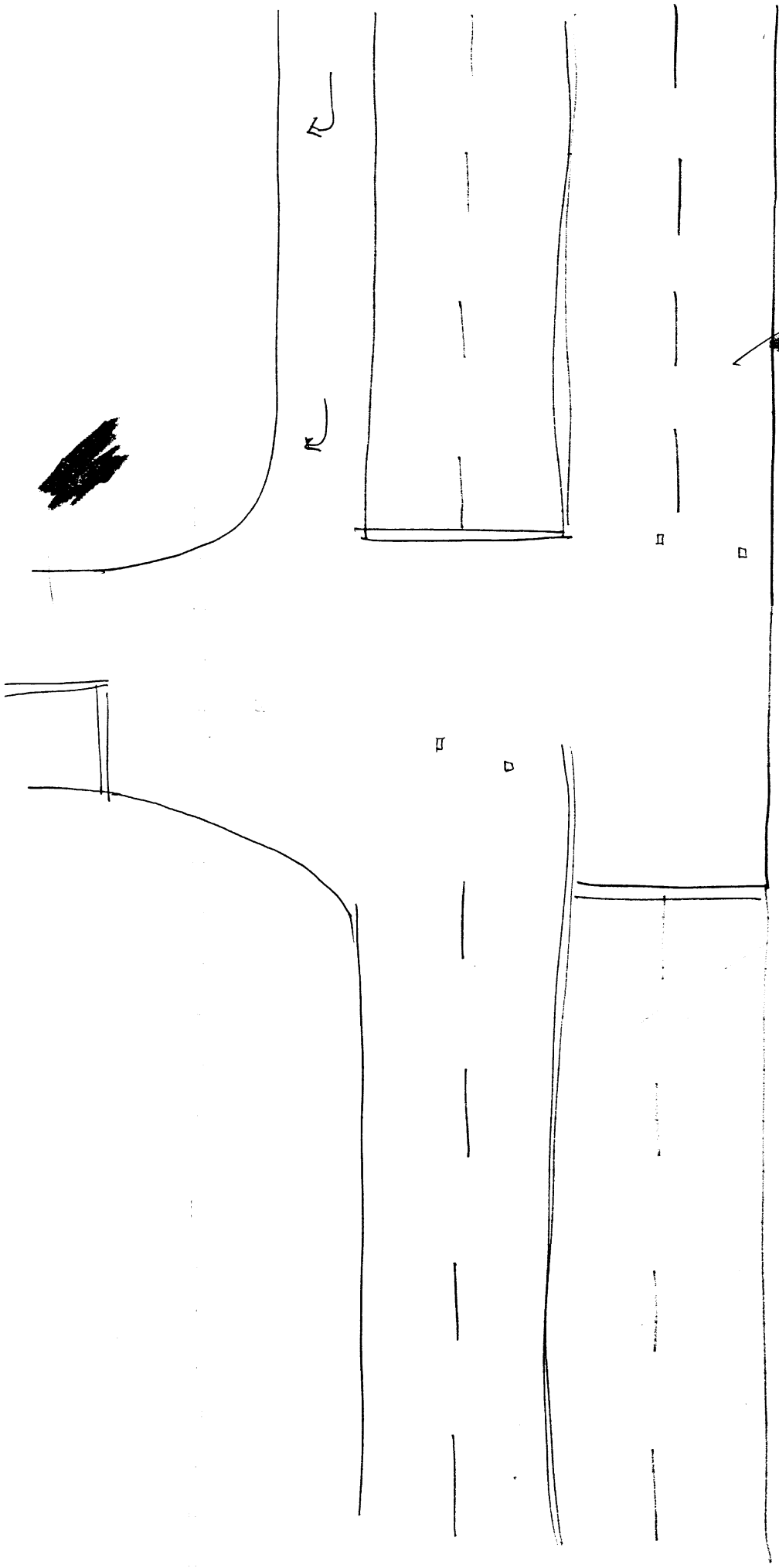
B. VEHICLE PROFILE(S)

| Vehicle No. | Class of Vehicle | Year/Make/Model | Most Severe Damage | | Component Failure |
|-------------|------------------|------------------------|--------------------|----------------------|-------------------|
| | | | Damage Plane | Severity Description | |
| 1 | Full Size | 1971 Ford Torino Wagon | Front | Moderate | None |
| 2 | Subcompact | 1987 Ford Tempo | Back | Severe | None |
| 3 | Intermediate | 1985 Lincoln Mark VII | Back | Moderate | None |

C. PERSON PROFILE(S)

| Vehicle No. | Person Role | Seat Position | Restraint Use | Most Severe Injury | | | |
|-------------|-------------|---------------|----------------|--------------------|--------------------|-----|---------------|
| | | | | Body Region | Lesion | AIS | Injury Source |
| 1 | Driver | Front Left | None | Face | Contusion | 1 | Windshield |
| 1 | Pas-senger | Front Right | None | Face | Contusion | 1 | Windshield |
| 2 | Driver | Front Left | None | Face | Unknown Laceration | 1 | windshield |
| 3 | Driver | Front Left | Lap & Shoulder | Not | Injured | | |
| 3 | Pas-senger | Front Right | Lap & Shoulder | Not | Injured | | |
| 3 | Pas-senger | Back Right | None | Not | Injured | | |

DO NOT SANITIZE THIS FORM



Slope

$$\frac{2.25}{48}$$

NUMEROUS
SKID
MARKS
UNABLE TO
ASSOCIATE
WITH THIS
ACCIDENT



121 F

89

1" = 20'

A
v₃

A
v₂

A
v₃

A
v₂

A
v₁

v₁

A
v₁

ACCIDENT COLLISION MEASUREMENT TABLE

**NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM**

[illegible]

[illegible]



EXTERIOR VEHICLE FORM

| | |
|---|-----------------------------|
| 1. Primary Sampling Unit Number <u>45</u> | 3. Vehicle Number <u>01</u> |
| 2. Case Number - Stratum <u>121F</u> | |

VEHICLE IDENTIFICATION

VIN F1A42H [REDACTED] Model Year 1971

Vehicle Make (specify): FORD Vehicle Model (specify): TORINO WAGON

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line or bumper corner for end impacts or an undamaged axle for side impacts.

| Specific Impact No. | Location of Direct Damage | Location of Field L |
|---------------------|--------------------------------------|-----------------------------|
| <u>1</u> | <u>BEGINS 11.3" FROM L.F. CORNER</u> | <u>ENTIRE FRONTAL PLANE</u> |
| | | |
| | | |

CRUSH PROFILE

NOTES: Identify the plane at which the C-measurements are taken (e.g., at bumper, above bumper, at sill, above sill, etc.) and label adjustments (e.g., free space).

Measure and document on the vehicle diagram the location of maximum crush.

Measure C1 to C6 from driver to passenger side in front or rear impacts and rear to front in side impacts.

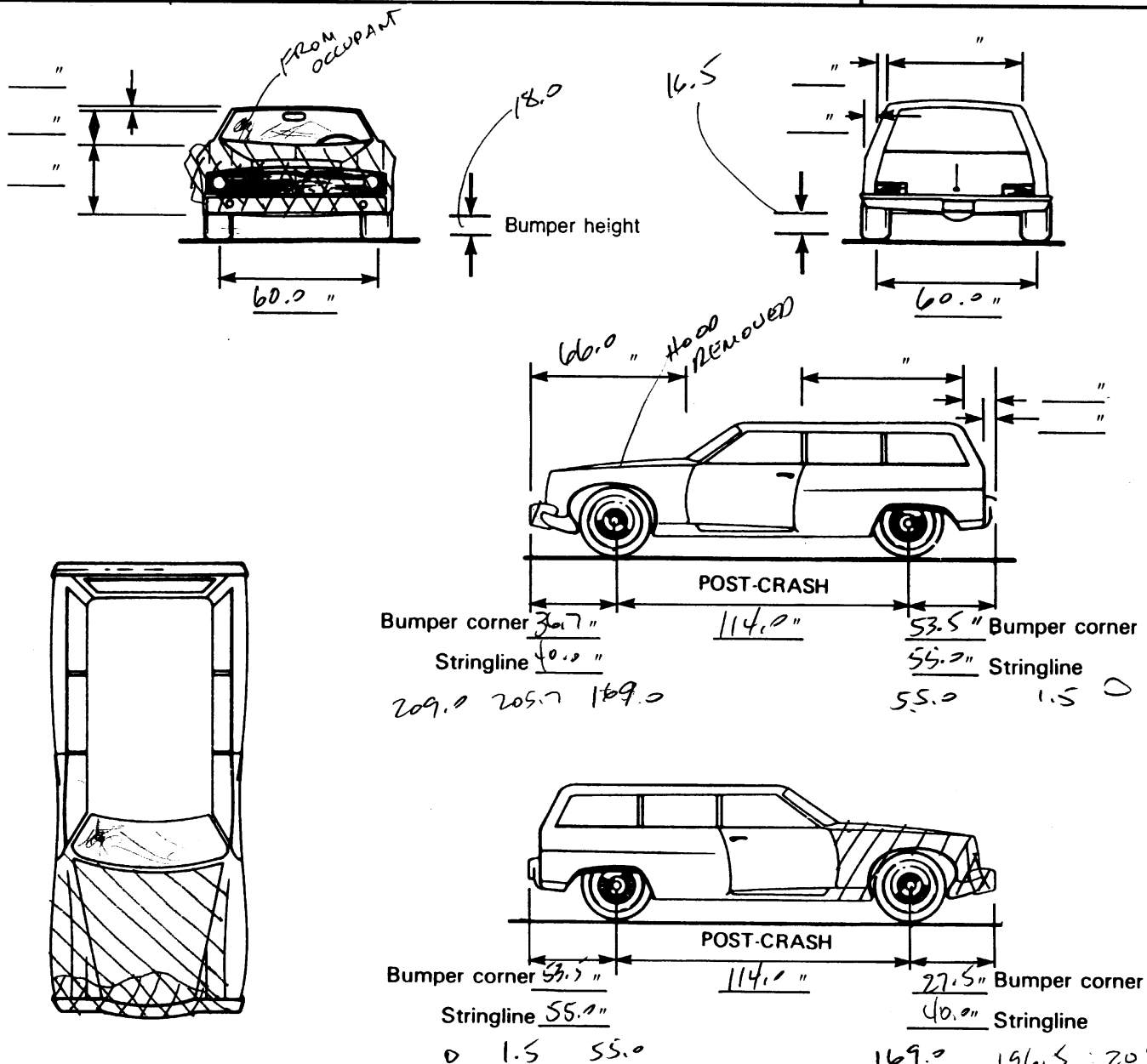
Free space value is defined as the distance between the baseline and the original body contour taken at the individual C locations. This may include the following: bumper lead, bumper taper, side protrusion, side taper, etc. Record the value for each C-measurement and maximum crush.

Use as many lines/columns as necessary to describe each damage profile.

| Specific Impact Number | Plane of C-Measurements | Direct Damage | | Field L | C ₁ | C ₂ | C ₃ | C ₄ | C ₅ | C ₆ | ±D |
|------------------------|--|---------------|-------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------|
| | | Width (CDC) | Max Crush | | | | | | | | |
| <u>1</u> | <u>FRONT BUMPER</u> | <u>60.0</u> | | <u>70.8</u> | <u>3.3</u> | <u>8.6</u> | <u>11.3</u> | <u>11.7</u> | <u>11.6</u> | <u>12.5</u> | <u>0</u> |
| <u>1</u> | | | | | <u>0</u> | <u>2.5</u> | <u>1.5</u> | <u>1.5</u> | <u>2.5</u> | <u>0</u> | <u>0</u> |
| <u>1</u> | | | <u>12.5</u> | | <u>3.3</u> | <u>6.1</u> | <u>9.8</u> | <u>10.2</u> | <u>9.1</u> | <u>12.5</u> | <u>0</u> |
| | | | | | | | | | | | |
| | <u>APPROXIMATE DAMAGE</u> | | | | <u>4.0</u> | <u>11.0</u> | <u>20.0</u> | <u>23.0</u> | <u>18.0</u> | <u>21.0</u> | |
| | | | | | <u>0</u> | <u>2.5</u> | <u>1.5</u> | <u>1.5</u> | <u>2.5</u> | <u>0</u> | |
| | | | <u>21.5</u> | | <u>4.0</u> | <u>9.5</u> | <u>18.5</u> | <u>21.5</u> | <u>15.5</u> | <u>21.0</u> | |
| | <u>MEASUREMENTS ARE NOT ACCURATE. DRIVER STATED THAT HE PULLED FRONT BUMPER & GRILL OUT ABOUT 1 FOOT IN ORDER TO PREPARE VEHICLE FOR ENGINE REMOVAL.</u> | | | | | | | | | | |
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VEHICLE DAMAGE SKETCH

| | | | | |
|---|--|---|--|---|
| TIRE—WHEEL DAMAGE a. Rotation physically restricted RF <u>1</u> LF <u>2</u> RR <u>2</u> LR <u>2</u> (1) Yes (2) No (8) NA (9) Unk. | | ORIGINAL SPECIFICATIONS Wheelbase <u>114.0</u> Overall Length <u>209.0</u> Maximum Width <u>75.4</u> Curb Weight <u>3380</u> Average Track <u>60.0</u> Front Overhang <u>40.0</u> Rear Overhang <u>55.0</u> Engine Size: cyl./ displ. <u>6 Cyl</u> Undeformed End Width <u>67.0</u> | | WHEEL STEER ANGLES (For locked front wheels or displaced rear axles only) RF \pm <u> </u> ° LF \pm <u> </u> ° RR \pm <u> </u> ° LR \pm <u> </u> ° Within ± 5 degrees |
| TYPE OF TRANSMISSION <input type="checkbox"/> Manual <input checked="" type="checkbox"/> Automatic | | DRIVE WHEELS <input type="checkbox"/> FWD <input checked="" type="checkbox"/> RWD <input type="checkbox"/> 4WD | | |
| | | Approximate Cargo Weight <u>0</u> | | |



NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewall, etc.). If pulling trailer, sketch type of trailer and damage received on the back of this page. Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

CODES FOR OBJECT CONTACTED

(99) Unknown event or object

[illegible]



INTERIOR VEHICLE FORM

1. Primary Sampling Unit Number

45

2. Case Number—Stratum

121F

3. Vehicle Number

01

INTEGRITY

4. Passenger Compartment Integrity

00

(00) No integrity loss

Yes, Integrity Was Lost Through

(01) Windshield

(02) Door (side)

(03) Door/hatch (rear)

(04) Roof

(05) Roof glass

(06) Side window

(07) Rear window

(08) Roof and roof glass

(09) Windshield and door (side)

(10) Windshield and roof

(11) Side and rear window

(98) Other combination of above (specify):

(99) Unknown

Door, Tailgate Or Hatch Opening

5. LF 1 6. RF 1 7. LR 1 8. RR 1 9. TG/H 0

(0) No door/gate/hatch

(1) Door/gate/hatch remained closed and operational

(2) Door/gate/hatch came open during collision

(3) Door/gate/hatch jammed shut

(8) Other (specify):

(9) Unknown

Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09 ≠ 2, Then Code 0.

10. LF 0 11. RF 0 12. LR 0 13. RR 0 14. TG/H 0

(0) No door/gate/hatch or door not opened

Door, Tailgate, or Hatch Came Open During Collision

(1) Door operational (no damage)

(2) Latch/striker failure due to damage

(3) Hinge failure due to damage

(4) Door structure failure due to damage

(5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage

(6) Latch/striker and hinge failure due to damage

(8) Other failure (specify):

(9) Unknown

GLAZING

Glazing Damage from Impact Forces

15. WS 2 16. LF 0 17. RF 0 18. LR 0 19. RR 0

20. BL 0 21. Roof 0 22. Other 0

(0) No glazing damage from impact forces

(2) Glazing in place and cracked from impact forces

(3) Glazing in place and holed from impact forces

(4) Glazing out-of-place (cracked or not) and not holed from impact forces

(5) Glazing out-of-place and holed from impact forces

(6) Glazing disintegrated from impact forces

(7) Glazing removed prior to accident

(8) No glazing

(9) Unknown if damaged

Glazing Damage from Occupant Contact

23. WS 2 24. LF 0 25. RF 0 26. LR 0 27. RR 0

28. BL 0 29. Roof 0 30. Other 0

(0) No occupant contact to glazing or no glazing

(1) Glazing contacted by occupant but no glazing damage

(2) Glazing in place and cracked by occupant contact

(3) Glazing in place and holed by occupant contact

(4) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact

(5) Glazing out-of-place by occupant contact and holed by occupant contact

(6) Glazing disintegrated by occupant contact

(9) Unknown if contacted by occupant

If No Glazing Damage **And** No Occupant Contact or No Glazing, Then Code IV 31 Through IV 46 As 0

Type of Window/Windshield Glazing

31. WS 1 32. LF 0 33. RF 0 34. LR 0 35. RR 0

36. BL 0 37. Roof 0 38. Other 0

(0) No glazing contact and no damage, or no glazing

(1) AS-1 — Laminated

(2) AS-2 — Tempered

(3) AS-3 — Tempered-tinted

(4) AS-14 — Glass/Plastic

(8) Other (specify):

(9) Unknown

Window Pre-crash Glazing Status

39. WS 1 40. LF 0 41. RF 0 42. LR 0 43. RR 0

44. BL 0 45. Roof 0 46. Other 0

(0) No glazing contact and no damage, or no glazing

(1) Fixed

(2) Closed

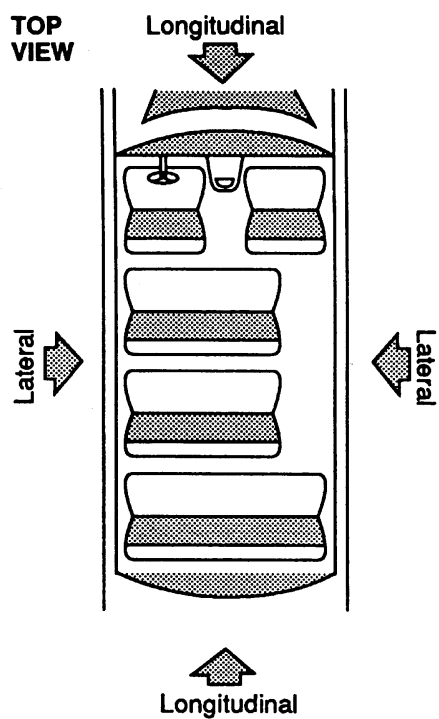
(3) Partially opened

(4) Fully opened

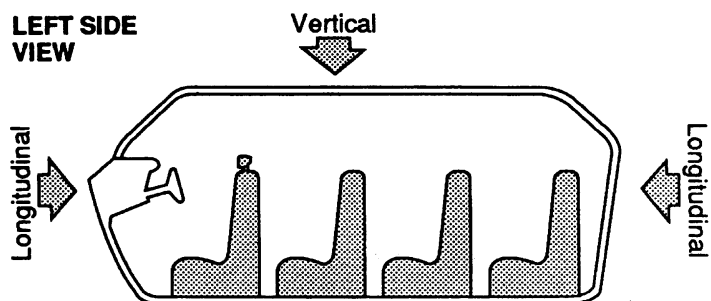
(9) Unknown

INTRUSION WORK SHEET

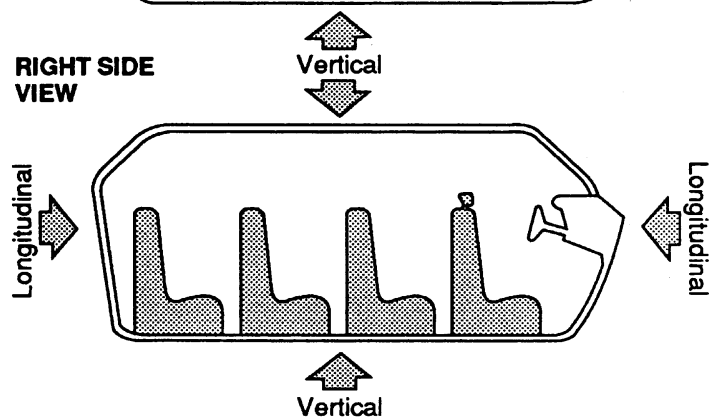
**TOP
VIEW**



**LEFT SIDE
VIEW**



**RIGHT SIDE
VIEW**



Note: Sketch intruded areas

| LOCATION OF INTRUSION | INTRUDED COMPONENT | COMPARISON VALUE | INTRUDED VALUE | INTRUSION | DOMINANT CRUSH DIRECTION |
|-----------------------------|-----------------------|---------------------|-------------------|-----------|--------------------------------|
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
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| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |

Document no more than the 15 most severe intrusions

OCCUPANT AREA INTRUSION

Note: If no intrusions, leave variables IV 47-IV 86 blank.

INTRUDING COMPONENT

| | <u>Location of Intrusion</u> | <u>Intruding Component</u> | <u>Magnitude of Intrusion</u> | <u>Dominant Crush Direction</u> |
|------|------------------------------|----------------------------|-------------------------------|---------------------------------|
| 1st | 47._____ | 48._____ | 49._____ | 50._____ |
| 2nd | 51._____ | 52._____ | 53._____ | 54._____ |
| 3rd | 55._____ | 56._____ | 57._____ | 58._____ |
| 4th | 59._____ | 60._____ | 61._____ | 62._____ |
| 5th | 63._____ | 64._____ | 65._____ | 66._____ |
| 6th | 67._____ | 68._____ | 69._____ | 70._____ |
| 7th | 71._____ | 72._____ | 73._____ | 74._____ |
| 8th | 75._____ | 76._____ | 77._____ | 78._____ |
| 9th | 79._____ | 80._____ | 81._____ | 82._____ |
| 10th | 83._____ | 84._____ | 85._____ | 86._____ |

LOCATION OF INTRUSION

Front Seat

- (11) Left
- (12) Middle
- (13) Right

Second Seat

- (21) Left
- (22) Middle
- (23) Right

Third Seat

- (31) Left
- (32) Middle
- (33) Right

Fourth Seat

- (41) Left
- (42) Middle
- (43) Right

(98) Other enclosed area (specify): _____

(99) Unknown

Interior Components

- (01) Steering assembly
- (02) Instrument panel left
- (03) Instrument panel center
- (04) Instrument panel right
- (05) Toe pan
- (06) A-pillar
- (07) B-pillar
- (08) C-pillar
- (09) D-pillar
- (10) Door panel
- (12) Roof (or convertible top)
- (13) Roof side rail
- (14) Windshield
- (15) Windshield header
- (16) Window frame
- (17) Floor pan
- (18) Backlight header
- (19) Front seat back
- (20) Second seat back
- (21) Third seat back
- (22) Fourth seat back
- (23) Fifth seat back
- (24) Seat cushion
- (25) Back panel or door surface
- (26) Other interior component (specify): _____

- (27) Side panel - forward of the A-pillar
- (28) Side panel - rear of the A-pillar

Exterior Components

- (30) Hood
- (31) Outside surface of vehicle (specify): _____
- (32) Other exterior object in the environment (specify): _____
- (33) Unknown exterior object
- (98) Intrusion of unlisted component(s) (specify): _____
- (99) Unknown

MAGNITUDE OF INTRUSION

- (1) ≥ 1 inch but < 3 inches
- (2) ≥ 3 inches but < 6 inches
- (3) ≥ 6 inches but < 12 inches
- (4) ≥ 12 inches but < 18 inches
- (5) ≥ 18 inches but < 24 inches
- (6) ≥ 24 inches
- (9) Unknown

DOMINANT CRUSH DIRECTION

- (1) Vertical
- (2) Longitudinal
- (3) Lateral
- (9) Unknown

STEERING COLUMN WORKING DIAGRAMS

STEERING COLUMN COLLAPSE

Steering Column Shear Module Movement



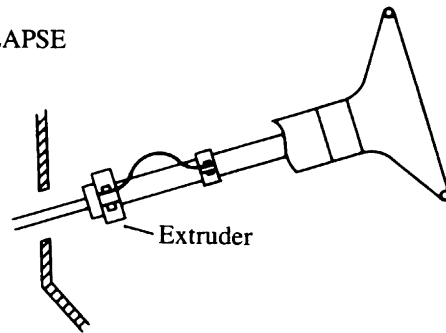
SHEAR CAPSULE

Left ____



Right ____ V = ____"

Direction and Magnitude of Steering Column Movement



Extruder

After Compression

Flare Tube

Possible Remaining Starter Grooves At 6 and 12 o'clock

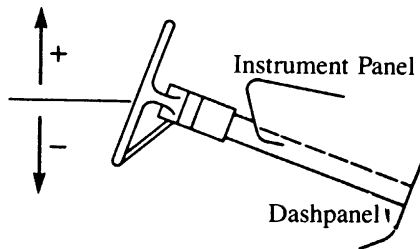
Extruder

Compression = Measurement A

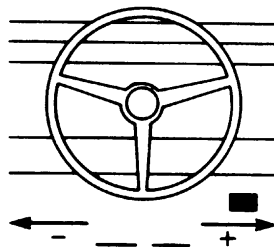
A = ____

STEERING COLUMN MOVEMENT

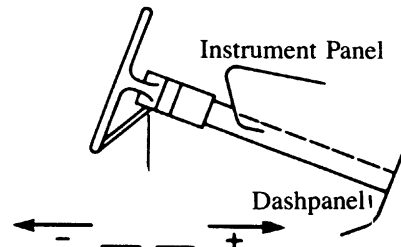
Vertical Movement



Lateral Movement



Longitudinal Movement



| | COMPARISON VALUE | — | DAMAGED VALUE | = | MOVEMENT |
|--------------|------------------|---|---------------|---|----------|
| VERTICAL | | — | | = | |
| LATERAL | | — | | = | |
| LONGITUDINAL | | — | | = | |

STEERING RIM/SPOKE DEFORMATION

| COMPARISON VALUE | — | DAMAGED VALUE | = | DEFORMATION |
|------------------|---|---------------|---|-------------|
| | — | | = | |
| | — | | = | |

STEERING COLUMN**87. Steering Column Type**

- (1) Fixed column
 (2) Tilt column
 (3) Telescoping column
 (4) Tilt and telescoping column
 (8) Other column type (specify):

(9) Unknown

If PDOF \neq 11, 12 or 1, Then Code IV88-IV91 As 96

88. Steering Column Collapse Due to Occupant Loading

_____ Code actual measured movement to the nearest inch. See coding manual for measurement technique(s).

(00) No movement, compression, or collapse

(01-49) Actual measured value

(50) 50 inches or greater

Estimated movement from observation

(81) Less than 1 inch

(82) \geq 1 inch but $<$ 2 inches

(83) \geq 2 inches but $<$ 4 inches

(84) \geq 4 inches but $<$ 6 inches

(85) \geq 6 inches but $<$ 8 inches

(86) Greater than or equal to 8 inches

(96) Not assessed (PDOF \neq 11, 12, 1)

(97) Apparent movement, value undetermined or cannot be measured or estimated

(98) Nonspecified type column

(99) Unknown

Direction And Magnitude of Steering Column Movement**89. Vertical Movement**

+ 00
 = 00

90. Lateral Movement

+ 00
 = 00

91. Longitudinal Movement

+ 00
 = 00

Code the actual measured movement to the nearest inch. See Coding Manual for measurement technique(s)

(+ 00) No Steering column movement

(\pm 01 – \pm 49) Actual measured value

(\pm 50) 50 inches or greater

Estimated movement from observation

(\pm 81) \geq 1 inch but $<$ 3 inches

(\pm 82) \geq 3 inches but $<$ 6 inches

(\pm 83) \geq 6 inches but $<$ 12 inches

(\pm 84) \geq 12 inches

(96) Not assessed (PDOF \neq 11, 12, 1)

(97) Apparent movement $>$ 1 inch but cannot be measured or estimated

(99) Unknown

92. Steering Rim/Spoke Deformation

_____ Code actual measured deformation to the nearest inch.

(0) No steering rim deformation

(1-5) Actual measured value

(6) 6 inches or more

(8) Observed deformation cannot be measured

(9) Unknown

93. Location of Steering Rim/Spoke Deformation

(00) No steering rim deformation

Quarter Sections

(01) Section A

(02) Section B

(03) Section C

(04) Section D



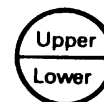
Half Sections

(05) Upper half of rim/spoke

(06) Lower half of rim/spoke

(07) Left half of rim/spoke

(08) Right half of rim/spoke



(09) Complete steering wheel collapse

(10) Undetermined location

(99) Unknown

INSTRUMENT PANEL**94. Odometer Reading**

91204 miles – Code mileage to the nearest 1,000 miles

(000) No odometer

(001) Less than 1,500 miles

(300) 299,500 miles or more

(999) Unknown

Source: _____

95. Instrument Panel Damage from Occupant Contact

(0) No

(1) Yes

(9) Unknown

96. Knee Bolsters Deformed from Occupant Contact

(0) No

(1) Yes

(8) Not present

(9) Unknown

97. Did Glove Compartment Door Open During Collision(s)

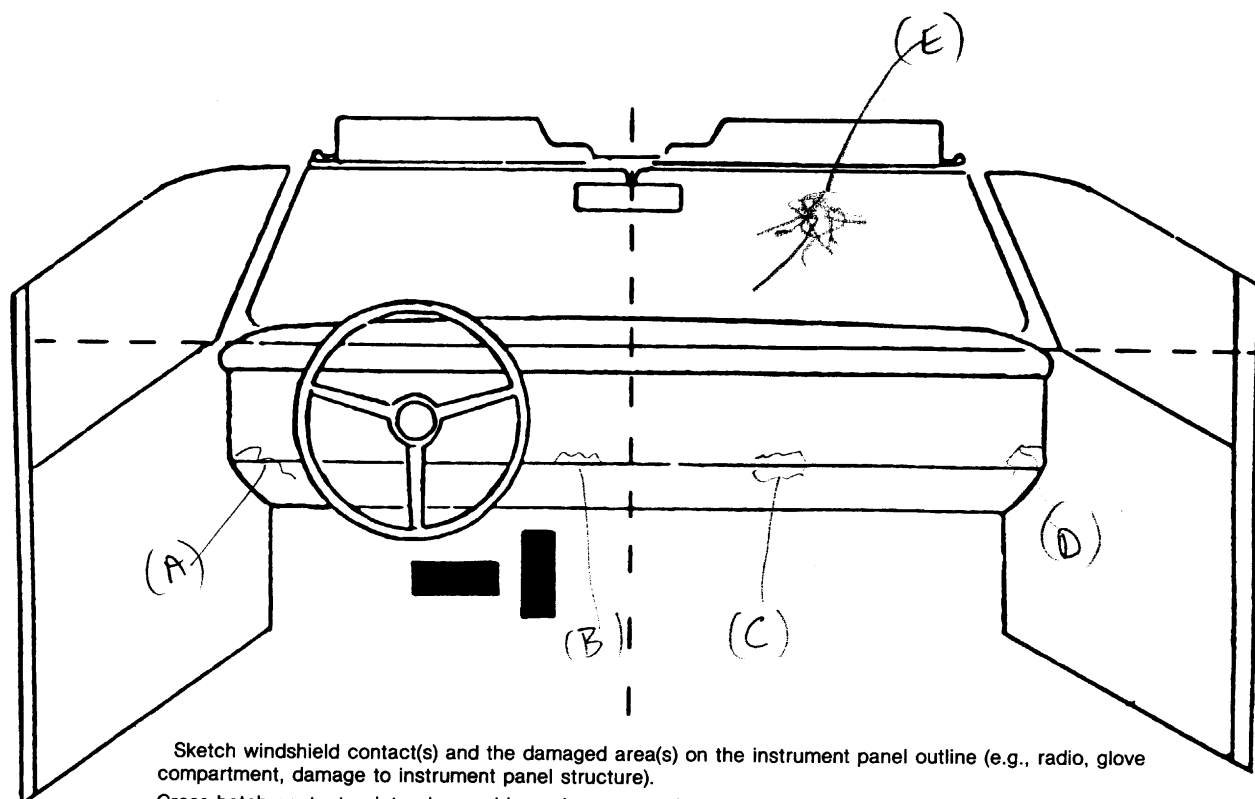
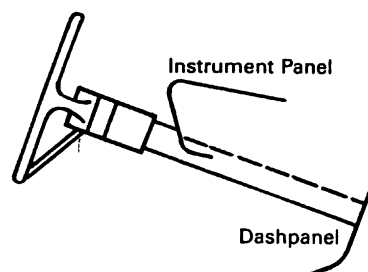
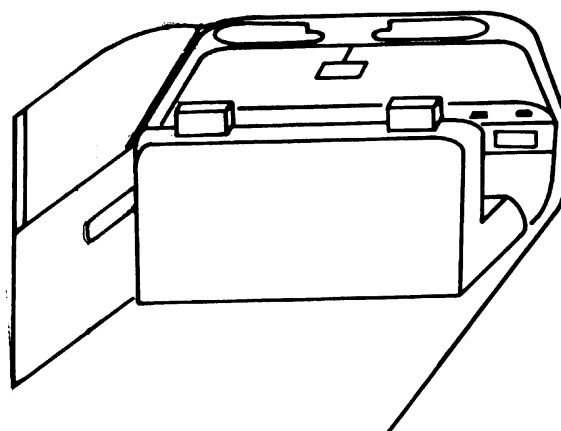
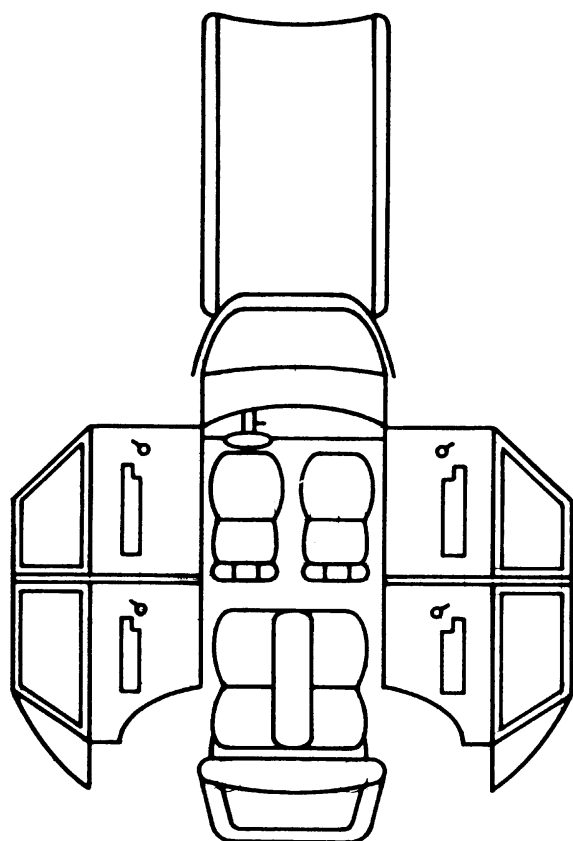
(0) No

(1) Yes

(8) Not present

(9) Unknown

VEHICLE INTERIOR SKETCHES



Sketch windshield contact(s) and the damaged area(s) on the instrument panel outline (e.g., radio, glove compartment, damage to instrument panel structure).

Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.

Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

POINTS OF OCCUPANT CONTACT

| Contact | Interior Component Contacted | Occupant No. If Known | Body Region If Known | Supporting Physical Evidence | Confidence Level of Contact Point |
|---------|------------------------------|-----------------------|----------------------|------------------------------|-----------------------------------|
| A | 09 | 1 | L) KNEE | BENT PANEL | 1 |
| B | 10 | 1 | R) KNEE | " " | 1 |
| C | 10 | 2 | L) KNEE | " " | 1 |
| D | 11 | 2 | R) KNEE | " " | 1 |
| E | 01 | 2 | FACE | CRACKED GLASS & SMUDGE | 1 |
| F | | | | | |
| G | | | | | |
| H | | | | | |
| I | | | | | |
| J | | | | | |
| K | | | | | |
| L | | | | | |
| M | | | | | |
| N | | | | | |

CODES FOR INTERIOR COMPONENTS

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A-pillar, instrument panel, or mirror (passenger side only)
- (16) Other front object (specify): _____

- (26) Left side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail
- (27) Other left side object (specify): _____

- (48) Child safety seat (specify): _____

- (49) Other interior object (specify): _____

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A pillar
- (33) Right B pillar
- (34) Other right pillar (specify): _____

- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail
- (37) Other right side object (specify): _____

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor including toe pan
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

- (60) Backlight (rear window)
- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): _____

LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A pillar
- (23) Left B pillar
- (24) Other left pillar (specify): _____

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify): _____
- (44) Head restraint system
- (45) Air cushion
- (46) Other occupants (specify): _____

- (47) Interior loose objects

CONFIDENCE LEVEL OF CONTACT POINT

- (1) Certain
- (2) Probable
- (3) Possible
- (4) Unknown

- (25) Left side window glass or frame

AUTOMATIC RESTRAINTS

NOTES: Encode the data for each applicable front seat position. The attributes for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

| | | Left | Center | Right |
|-----------------------|--------------|------|--------|-------|
| F I R S T | Availability | | | |
| | Function | | | |
| | Failure | | | |

Automatic (Passive) Restraint System Availability

- (0) Not equipped/not available
- (1) Airbag
- (2) Airbag disconnected (specify): _____
- (3) Airbag not reinstalled
- (4) 2 point automatic belts
- (5) 3 point automatic belts
- (6) Automatic belts destroyed or rendered inoperative
- (9) Unknown

Automatic (Passive) Restraint Function

- (0) Not equipped/not available

Automatic Belt

- (1) Automatic belt in use
- (2) Automatic belt not in use
- (3) Automatic belt use unknown

Air Bag

- (4) Airbag deployed during accident
- (5) Airbag deployed inadvertently just prior to accident
- (6) Deployed, accident sequence undetermined
- (7) Nondeployed
- (8) Unknown if deployed
- (9) Unknown

Did Automatic (Passive) Restraint Fail

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify): _____
- (9) Unknown

MANUAL RESTRAINTS

NOTES: Encode the applicable data **for each seat position** in the vehicle. The attributes for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

If a child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous page.

| | | Left | Center | Right |
|--------|---------------|------|--------|-------|
| FIRST | Availability | 3 | 3 | 3 |
| | Use | 00 | 00 | 00 |
| | Failure Modes | 0 | 0 | 0 |
| SECOND | Availability | 3 | 3 | 3 |
| | Use | 00 | 00 | 00 |
| | Failure Modes | 0 | 0 | 0 |
| THIRD | Availability | | | |
| | Use | | | |
| | Failure Modes | | | |
| OTHER | Availability | | | |
| | Use | | | |
| | Failure Modes | | | |

Manual (Active) Belt System Availability

- (0) Not available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available – type unknown
- (8) Other belt (specify):

(9) Unknown

(08) Other belt used (specify):

- (12) Shoulder belt used with child safety seat
- (13) Lap belt used with child safety seat
- (14) Lap and shoulder belt used with child safety seat
- (15) Belt used with child safety seat – type unknown
- (18) Other belt used with child safety seat (specify):

(99) Unknown if belt used

Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperative (specify):

- (02) Shoulder belt
- (03) Lap belt
- (04) Lap and shoulder belt
- (05) Belt used – type unknown

Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Manual belt failure(s) (encode all that apply above)
 - [A] Torn webbing (stretched webbing not included)
 - [B] Broken buckle or latchplate
 - [C] Upper anchorage separated
 - [D] Other anchorage separated (specify):

- [E] Broken retractor
- [F] Other manual belt failure (specify):

(9) Unknown

CHILD SAFETY SEAT FIELD ASSESSMENT

When a child safety seat is present enter the occupant's number in the first row and complete the column below the occupant's number using the codes listed below. Complete a column for each child safety seat present.

| | | | | | | |
|------------------------------------|--|--|--|--|--|--|
| Occupant Number | | | | | | |
| 1. Type of Child Safety Seat | | | | | | |
| 2. Child Safety Seat Orientation | | | | | | |
| 3. Child Safety Seat Harness Usage | | | | | | |
| 4. Child Safety Seat Shield Usage | | | | | | |
| 5. Child Safety Seat Tether Usage | | | | | | |

6. Child Safety Seat Make/Model

Specify Below for Each Child Safety Seat

1. Type of Child Safety Seat

- (0) No child safety seat
- (1) Infant seat
- (2) Toddler seat
- (3) Convertible seat
- (4) Booster seat
- (7) Other type child safety seat (specify):

- (8) Unknown child safety seat type
- (9) Unknown if child safety seat used

2. Child Safety Seat Orientation

- (00) No child safety seat
- Designed for Rear Facing for This Age/Weight
- (01) Rear facing
- (02) Forward facing
- (03) Other orientation (specify):

- (04) Unknown orientation
- Designed for Forward Facing for This Age/Weight
- (11) Rear facing
- (12) Forward facing
- (18) Other orientation (specify):

(19) Unknown orientation

- Unknown Design or Orientation for This Age/Weight, or Unknown Age/Weight
- (21) Rear facing
- (22) Forward facing
- (28) Other orientation (specify):

(29) Unknown orientation

- (99) Unknown if child safety seat used

3. Child Safety Seat Harness Usage

4. Child Safety Seat Shield Usage

5. Child Safety Seat Tether Usage

Note: Options Below Are Used for Variables 3-5.

(00) No child safety seat

Not Designed with Harness/Shield/Tether

(01) After market harness/shield/tether added, not used

(02) After market harness/shield/tether used

(03) Child safety seat used, but no after market harness/shield/tether added

(09) Unknown if harness/shield/tether added or used

Designed with Harness/Shield/Tether

(11) Harness/shield/tether not used

(12) Harness/shield/tether used

(19) Unknown if harness/shield/tether used

Unknown if Designed with Harness/Shield/Tether

(21) Harness/shield/tether not used

(22) Harness/shield/tether used

(29) Unknown if harness/shield/tether used

(99) Unknown if child safety seat used

6. Child Safety Seat Make/Model

(Specify make/model and occupant number)

HEAD RESTRAINTS/SEAT EVALUATION

NOTES: Encode the applicable data for **each seat position** in the vehicle. The attributes for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

| | | Left | Center | Right |
|--------|----------------------------|------|--------|-------|
| FIRST | Head Restraint Type/Damage | 3 | 0 | 3 |
| | Seat Type | 03 | 03 | 03 |
| | Seat Performance | 1 | 1 | 1 |
| SECOND | Head Restraint Type/Damage | 0 | 0 | 0 |
| | Seat Type | 05 | 05 | 05 |
| | Seat Performance | 1 | 1 | 1 |
| THIRD | Head Restraint Type/Damage | | | |
| | Seat Type | | | |
| | Seat Performance | | | |
| OTHER | Head Restraint Type/Damage | | | |
| | Seat Type | | | |
| | Seat Performance | | | |

Head Restraint Type/Damage by Occupant at This Occupant Position

- (0) No head restraints
- (1) Integral – no damage
- (2) Integral – damaged during accident
- (3) Adjustable – no damage
- (4) Adjustable – damaged during accident
- (5) Add-on – no damage
- (6) Add-on – damaged during accident
- (8) Other (specify): _____
- (9) Unknown

Seat Performance (This Occupant Position)

- (0) No seat
- (1) No seat performance failure(s)
- (2) Seat performance failure(s)
(Encode all that apply)
- [A] Seat adjusters failed
- [B] Seat back folding locks failed
- [C] Seat tracks failed
- [D] Seat anchors failed
- [E] Deformed by impact of passenger from rear
- [F] Deformed by impact of passenger from front
- [G] Deformed by own inertial forces
- [H] Deformed by passenger compartment intrusion
(specify): _____

Seat Type (This Occupant Position)

- (00) No seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., van type)
- (09) Other seat type (specify): _____
- (99) Unknown

[I] Other (specify): _____

(9) Unknown

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E. UNUSUAL OCCUPANT CONTACT PATTERN)

| |
|--|
| |
| |
| |
| |

EJECTION/ENTRAPMENT DATA

Complete the following if the researcher has any indications that an occupant was either ejected from or entrapped in the vehicle. Code the appropriate data on the Occupant Assessment Form.

EJECTION No [☒] Yes [☐]

Describe indications of ejection and body parts involved in partial ejection(s):

| | | | | | | |
|-----------------|--|--|--|--|--|--|
| Occupant Number | | | | | | |
| Ejection | | | | | | |
| Ejection Area | | | | | | |
| Ejection Medium | | | | | | |
| Medium Status | | | | | | |

Ejection

- (1) Complete ejection
- (2) Partial ejection
- (3) Ejection, unknown degree
- (9) Unknown

Ejection Area

- (1) Windshield
- (2) Left front
- (3) Right front
- (4) Left rear
- (5) Right rear
- (6) Rear

(7) Roof

- (8) Other area (e.g., back of pickup, etc.) (specify):

- (9) Unknown

Ejection Medium

- (1) Door/hatch/tailgate
- (2) Nonfixed roof structure
- (3) Fixed glazing
- (4) Nonfixed glazing (specify):

(5) Integral structure

- (8) Other medium (specify):

- (9) Unknown

Medium Status (Immediately Prior to Impact)

- (1) Open
- (2) Closed
- (3) Integral structure
- (9) Unknown

ENTRAPMENT No [☒] Yes [☐]

Describe entrapment mechanism: _____

Component(s): _____

(Note in vehicle interior diagram)



U.S. Department of Transportation
National Highway Traffic Safety
Administration

OCCUPANT INJURY FORM

Form Approved
O.M.B. No. 2127-0021
NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number 45 3. Vehicle Number 01
2. Case Number—Stratum 12 LF 4. Occupant Number 01

INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than twenty injuries have been documented, encode the balance on the Occupant Injury Supplement.

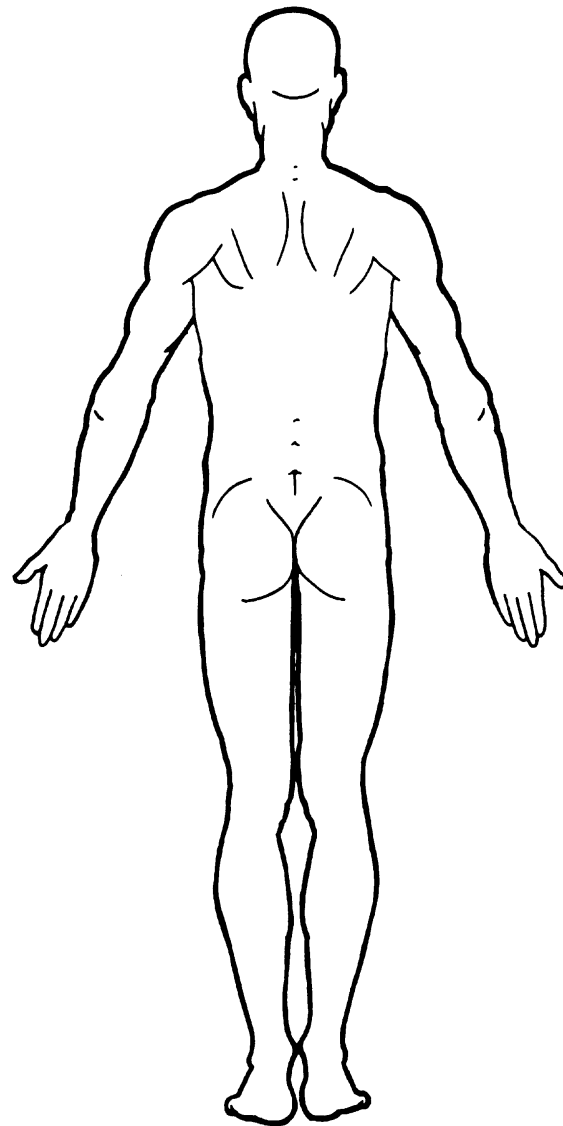
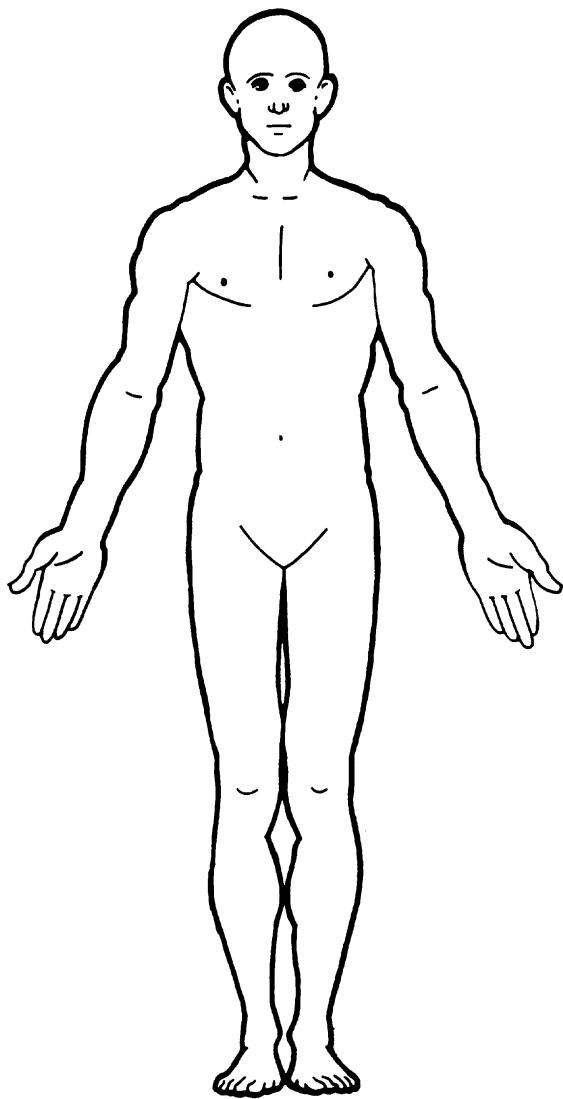
| Source of Injury Data | O.I.C. — A.I.S. | | | | | | Injury Source | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|-----------------------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|--------------------------------|-------------------------|-----------------------------|
| | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | | | | | |
| 1st | 5. <u>7</u> | 6. <u>F</u> | 7. <u>S</u> | 8. <u>C</u> | 9. <u>I</u> | 10. <u>1</u> | 11. <u>01</u> | 12. <u>3</u> | 13. <u>1</u> | 14. <u>00</u> |
| 2nd | 15. <u>7</u> | 16. <u>K</u> | 17. <u>R</u> | 18. <u>C</u> | 19. <u>I</u> | 20. <u>1</u> | 21. <u>10</u> | 22. <u>1</u> | 23. <u>1</u> | 24. <u>00</u> |
| 3rd | 25. <u>7</u> | 26. <u>K</u> | 27. <u>L</u> | 28. <u>C</u> | 29. <u>I</u> | 30. <u>1</u> | 31. <u>09</u> | 32. <u>1</u> | 33. <u>1</u> | 34. <u>00</u> |
| 4th | 35. <u>7</u> | 36. <u>R</u> | 37. <u>L</u> | 38. <u>L</u> | 39. <u>I</u> | 40. <u>1</u> | 41. <u>04</u> | 42. <u>3</u> | 43. <u>1</u> | 44. <u>00</u> |
| 5th | 45. <u> </u> | 46. <u> </u> | 47. <u> </u> | 48. <u> </u> | 49. <u> </u> | 50. <u> </u> | 51. <u> </u> | 52. <u> </u> | 53. <u> </u> | 54. <u> </u> |
| 6th | 55. <u> </u> | 56. <u> </u> | 57. <u> </u> | 58. <u> </u> | 59. <u> </u> | 60. <u> </u> | 61. <u> </u> | 62. <u> </u> | 63. <u> </u> | 64. <u> </u> |
| 7th | 65. <u> </u> | 66. <u> </u> | 67. <u> </u> | 68. <u> </u> | 69. <u> </u> | 70. <u> </u> | 71. <u> </u> | 72. <u> </u> | 73. <u> </u> | 74. <u> </u> |
| 8th | 75. <u> </u> | 76. <u> </u> | 77. <u> </u> | 78. <u> </u> | 79. <u> </u> | 80. <u> </u> | 81. <u> </u> | 82. <u> </u> | 83. <u> </u> | 84. <u> </u> |
| 9th | 85. <u> </u> | 86. <u> </u> | 87. <u> </u> | 88. <u> </u> | 89. <u> </u> | 90. <u> </u> | 91. <u> </u> | 92. <u> </u> | 93. <u> </u> | 94. <u> </u> |
| 10th | 95. <u> </u> | 96. <u> </u> | 97. <u> </u> | 98. <u> </u> | 99. <u> </u> | 100. <u> </u> | 101. <u> </u> | 102. <u> </u> | 103. <u> </u> | 104. <u> </u> |
| 11th | 105. <u> </u> | 106. <u> </u> | 107. <u> </u> | 108. <u> </u> | 109. <u> </u> | 110. <u> </u> | 111. <u> </u> | 112. <u> </u> | 113. <u> </u> | 114. <u> </u> |
| 12th | 115. <u> </u> | 116. <u> </u> | 117. <u> </u> | 118. <u> </u> | 119. <u> </u> | 120. <u> </u> | 121. <u> </u> | 122. <u> </u> | 123. <u> </u> | 124. <u> </u> |
| 13th | 125. <u> </u> | 126. <u> </u> | 127. <u> </u> | 128. <u> </u> | 129. <u> </u> | 130. <u> </u> | 131. <u> </u> | 132. <u> </u> | 133. <u> </u> | 134. <u> </u> |
| 14th | 135. <u> </u> | 136. <u> </u> | 137. <u> </u> | 138. <u> </u> | 139. <u> </u> | 140. <u> </u> | 141. <u> </u> | 142. <u> </u> | 143. <u> </u> | 144. <u> </u> |
| 15th | 145. <u> </u> | 146. <u> </u> | 147. <u> </u> | 148. <u> </u> | 149. <u> </u> | 150. <u> </u> | 151. <u> </u> | 152. <u> </u> | 153. <u> </u> | 154. <u> </u> |
| 16th | 155. <u> </u> | 156. <u> </u> | 157. <u> </u> | 158. <u> </u> | 159. <u> </u> | 160. <u> </u> | 161. <u> </u> | 162. <u> </u> | 163. <u> </u> | 164. <u> </u> |
| 17th | 165. <u> </u> | 166. <u> </u> | 167. <u> </u> | 168. <u> </u> | 169. <u> </u> | 170. <u> </u> | 171. <u> </u> | 172. <u> </u> | 173. <u> </u> | 174. <u> </u> |
| 18th | 175. <u> </u> | 176. <u> </u> | 177. <u> </u> | 178. <u> </u> | 179. <u> </u> | 180. <u> </u> | 181. <u> </u> | 182. <u> </u> | 183. <u> </u> | 184. <u> </u> |
| 19th | 185. <u> </u> | 186. <u> </u> | 187. <u> </u> | 188. <u> </u> | 189. <u> </u> | 190. <u> </u> | 191. <u> </u> | 192. <u> </u> | 193. <u> </u> | 194. <u> </u> |
| 20th | 195. <u> </u> | 196. <u> </u> | 197. <u> </u> | 198. <u> </u> | 199. <u> </u> | 200. <u> </u> | 201. <u> </u> | 202. <u> </u> | 203. <u> </u> | 204. <u> </u> |

OCCUPANT INJURY DATA SUPPLEMENT

| | Source of Injury Data | O.I.C. – A.I.S. | | | | | Injury Source | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|------|-----------------------------|-----------------|--------|--------|-----------------|--------------------|------------------|---|-------------------------------|--------------------------------|
| | | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | | | | |
| 21st | — | — | — | — | — | — | — — | — | — | — — |
| 22nd | — | — | — | — | — | — | — — | — | — | — — |
| 23rd | — | — | — | — | — | — | — — | — | — | — — |
| 24th | — | — | — | — | — | — | — — | — | — | — — |
| 25th | — | — | — | — | — | — | — — | — | — | — — |
| 26th | — | — | — | — | — | — | — — | — | — | — — |
| 27th | — | — | — | — | — | — | — — | — | — | — — |
| 28th | — | — | — | — | — | — | — — | — | — | — — |
| 29th | — | — | — | — | — | — | — — | — | — | — — |
| 30th | — | — | — | — | — | — | — — | — | — | — — |
| 31st | — | — | — | — | — | — | — — | — | — | — — |
| 32nd | — | — | — | — | — | — | — — | — | — | — — |
| 33rd | — | — | — | — | — | — | — — | — | — | — — |
| 34th | — | — | — | — | — | — | — — | — | — | — — |
| 35th | — | — | — | — | — | — | — — | — | — | — — |
| 36th | — | — | — | — | — | — | — — | — | — | — — |
| 37th | — | — | — | — | — | — | — — | — | — | — — |
| 38th | — | — | — | — | — | — | — — | — | — | — — |
| 39th | — | — | — | — | — | — | — — | — | — | — — |
| 40th | — | — | — | — | — | — | — — | — | — | — — |
| 41st | — | — | — | — | — | — | — — | — | — | — — |
| 42nd | — | — | — | — | — | — | — — | — | — | — — |
| 43rd | — | — | — | — | — | — | — — | — | — | — — |
| 44th | — | — | — | — | — | — | — — | — | — | — — |
| 45th | — | — | — | — | — | — | — — | — | — | — — |

OFFICIAL INJURY DATA – SOFT TISSUE INJURIES

Indicate the *Location, Lesion, Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



SOURCE OF INJURY DATA

OFFICIAL

- (1) Autopsy records with or without hospital medical records
- (2) Hospital medical records other than emergency room (eg. discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): _____
- (9) Police

INJURY SOURCE

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add-on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A-pillar, instrument panel, or mirror (passenger side only)
- (16) Other front object (specify): _____

LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A pillar
- (23) Left B pillar
- (24) Other left pillar (specify): _____
- (25) Left side window glass or frame

- (26) Left side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail

- (27) Other left side object (specify): _____

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A pillar
- (33) Right B pillar
- (34) Other right pillar (specify): _____
- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, roof side rail
- (37) Other right side object (specify): _____

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify): _____

- (44) Head restraint system
- (45) Air cushion
- (46) Other occupants (specify): _____

- (47) Interior loose objects
- (48) Child safety seat (specify): _____

- (49) Other interior object (specify): _____

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor including toe pan
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

- (60) Backlight (rear window)
- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): _____

EXTERIOR OF OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): _____
- (68) Unknown exterior objects

EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): _____
- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify): _____

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): _____

- (83) Unknown exterior of other motor vehicle

OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify): _____

- (86) Unknown vehicle or object

NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): _____
- (97) Injured, unknown source

INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

DIRECT/INDIRECT INJURY

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

OCCUPANT INJURY CLASSIFICATION

O.I.C. Body Region

- (M) Abdomen
- (Q) Ankle-foot
- (A) Arm (upper)
- (B) Back-thoracolumbar spine
- (C) Chest
- (E) Elbow
- (F) Face
- (R) Forearm
- (H) Head-skull
- (U) Injured, unknown region
- (K) Knee
- (L) Leg (lower)
- (Y) Lower limb(s) (whole or unknown part)
- (N) Neck-cervical spine
- (P) Pelvic-hip
- (S) Shoulder
- (T) Thigh
- (X) Upper limb(s) (whole or unknown part)
- (O) Whole body

- (W) Wrist-hand

Aspect of Injury

- (A) Anterior-front
- (B) Bilateral (rib fracture only)
- (C) Central
- (I) Inferior-lower
- (U) Injured, unknown aspect
- (L) Left
- (P) Posterior-back
- (R) Right
- (S) Superior-upper
- (W) Whole region

Lesion

- (A) Abrasion
- (M) Amputation
- (V) Avulsion
- (B) Burn
- (K) Concussion
- (C) Contusion
- (N) Crush

- (G) Detachment, separation
- (D) Dislocation
- (F) Fracture
- (Z) Fracture and dislocation
- (U) Injured, unknown lesion
- (L) Laceration
- (O) Other
- (P) Perforation, puncture
- (R) Rupture
- (S) Sprain
- (T) Strain
- (E) Total severance, transection

System/Organ

- (W) All systems in region
- (A) Arteries-veins
- (B) Brain
- (D) Digestive
- (E) Ears
- (O) Eye
- (H) Heart
- (U) Injured, unknown system

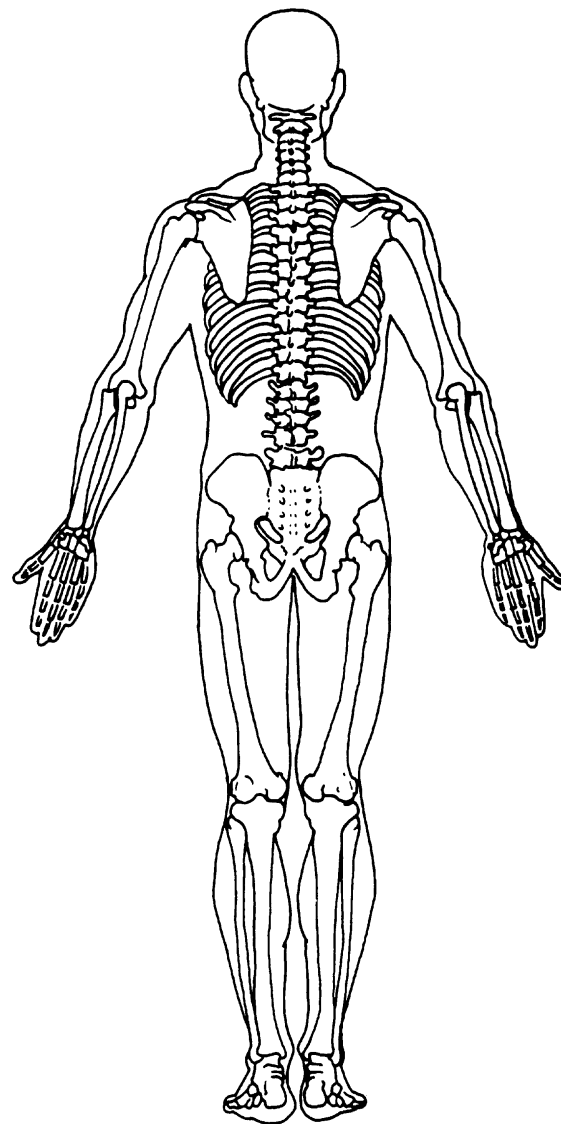
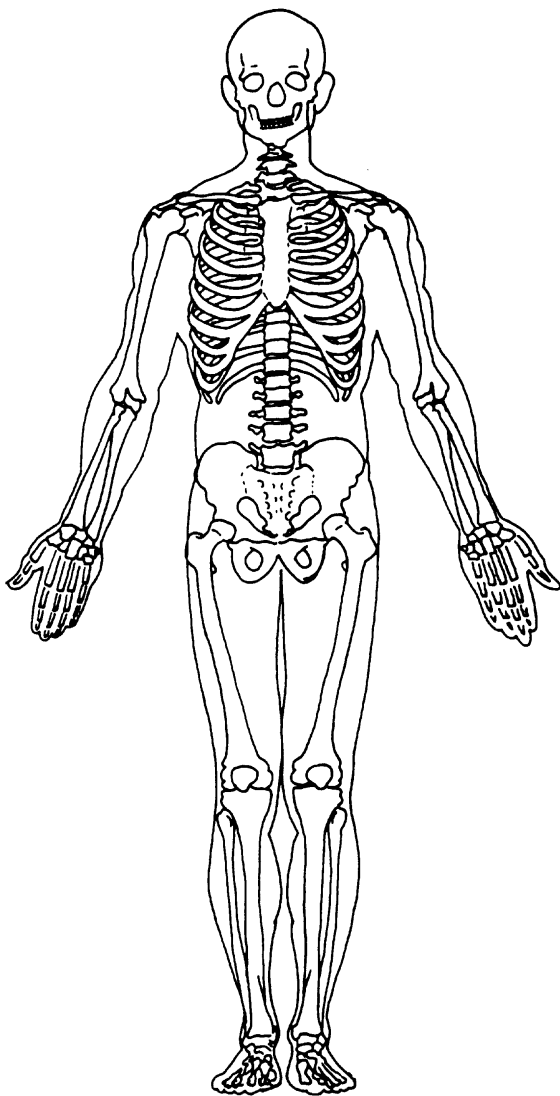
- (I) Integumentary
- (J) Joints
- (K) Kidneys
- (L) Liver
- (M) Muscles
- (N) Nervous system
- (P) Pulmonary-lungs
- (R) Respiratory
- (S) Skeletal
- (C) Spinal cord
- (Q) Spleen
- (T) Thyroid, other endocrine gland
- (G) Urogenital
- (V) Vertebrae

Abbreviated Injury Scale

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

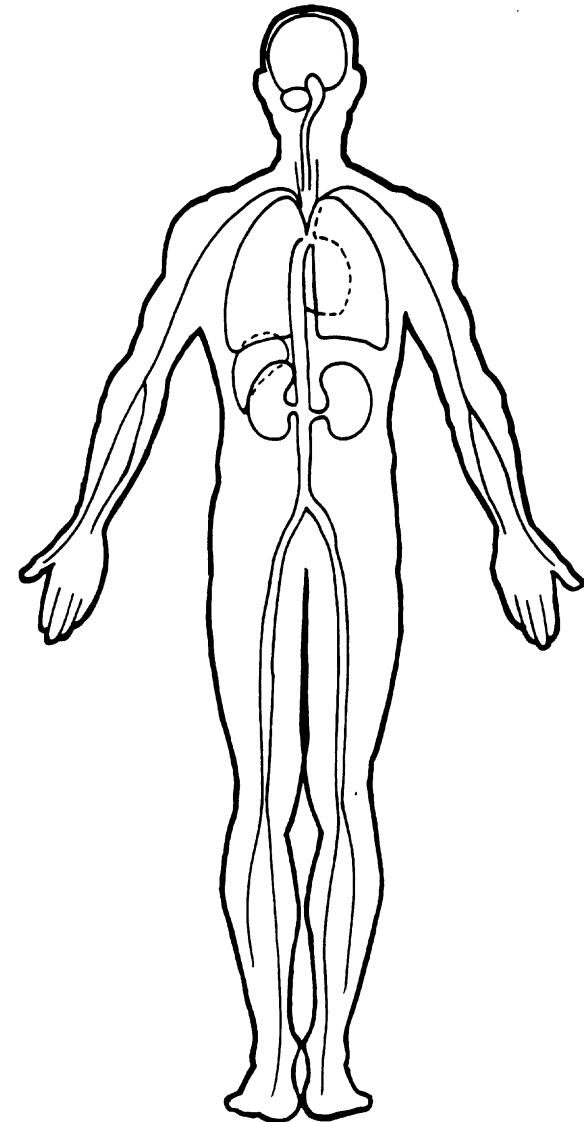
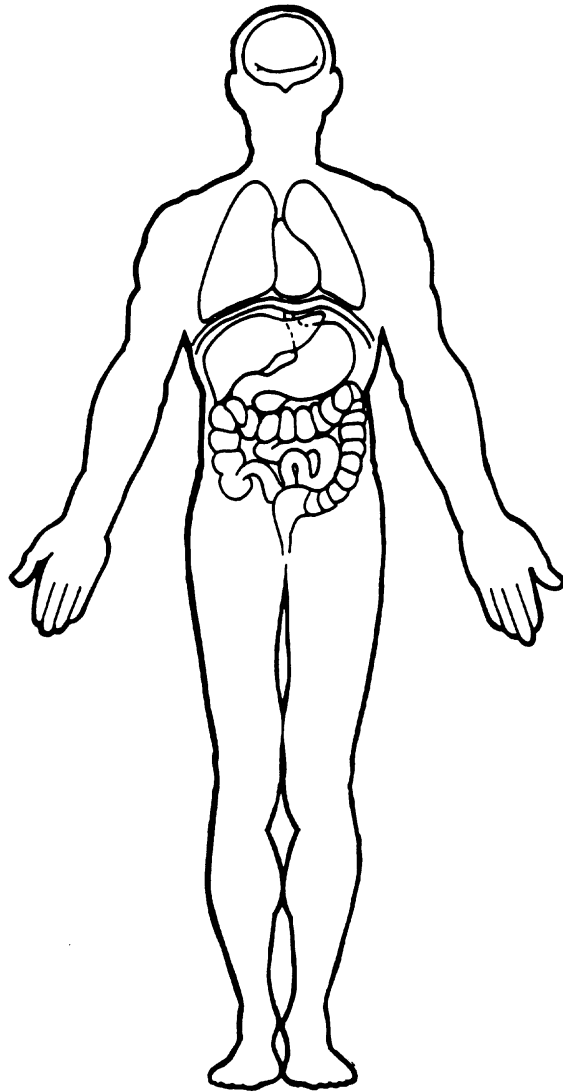
OFFICIAL INJURY DATA – SKELETAL INJURIES

Indicate the *Location, Lesion, Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



OFFICIAL INJURY DATA – INTERNAL INJURIES

Indicate the *Location, Lesion, Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





U.S. Department of Transportation
National Highway Traffic Safety
Administration

UPDATE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number 45
2. Case Number - Stratum 121F
3. Vehicle Number 01
4. Occupant Number 01

RECEIVED 1989

Driver or Occupant Name [REDACTED]

Address: [REDACTED]

Other Information: _____

(Sanitize this section prior to Update submission.)

INJURY DATA CODED ON INITIAL SUBMISSION

| O.I.C. – A.I.S. | | | | | | | | | | Injury Source | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|-----------------------|--------------|--------------|--------------|--------------|-----------------|---------------|------------------|--------------|--------------|---------------|-------------------------|-----------------------------|
| Source of Injury Data | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | Injury Source | Confidence Level | | | | | |
| 1st | 5. <u>7</u> | 6. <u>F</u> | 7. <u>S</u> | 8. <u>C</u> | 9. <u>I</u> | 10. <u>1</u> | 11. <u>01</u> | 12. <u>3</u> | 13. <u>1</u> | 14. <u>00</u> | | |
| 2nd | 15. <u>7</u> | 16. <u>K</u> | 17. <u>R</u> | 18. <u>C</u> | 19. <u>I</u> | 20. <u>1</u> | 21. <u>10</u> | 22. <u>1</u> | 23. <u>1</u> | 24. <u>00</u> | | |
| 3rd | 25. <u>7</u> | 26. <u>K</u> | 27. <u>L</u> | 28. <u>C</u> | 29. <u>I</u> | 30. <u>1</u> | 31. <u>09</u> | 32. <u>1</u> | 33. <u>1</u> | 34. <u>00</u> | | |
| 4th | 35. <u>7</u> | 36. <u>R</u> | 37. <u>L</u> | 38. <u>L</u> | 39. <u>I</u> | 40. <u>1</u> | 41. <u>04</u> | 42. <u>3</u> | 43. <u>1</u> | 44. <u>00</u> | | |
| 5th | 45. — | 46. — | 47. — | 48. — | 49. — | 50. — | 51. — | 52. — | 53. — | 54. — | | |
| 6th | 55. — | 56. — | 57. — | 58. — | 59. — | 60. — | 61. — | 62. — | 63. — | 64. — | | |
| 7th | 65. — | 66. — | 67. — | 68. — | 69. — | 70. — | 71. — | 72. — | 73. — | 74. — | | |
| 8th | 75. — | 76. — | 77. — | 78. — | 79. — | 80. — | 81. — | 82. — | 83. — | 84. — | | |
| 9th | 85. — | 86. — | 87. — | 88. — | 89. — | 90. — | 91. — | 92. — | 93. — | 94. — | | |
| 10th | 95. — | 96. — | 97. — | 98. — | 99. — | 100. — | 101. — | 102. — | 103. — | 104. — | | |

NOTE: If necessary, keep copy of original Occupant Injury form and submit as part of update.

UPDATED CASE INFORMATION

| | INITIAL SUBMISSION | FINAL | | INITIAL SUBMISSION | FINAL |
|---|--------------------|------------|--|--------------------|-----------|
| GV12. Alcohol Test Results for Driver | <u>96</u> | <u>96</u> | OA35. Treatment - Mortality | <u>4</u> | <u>4</u> |
| OA05. Occupant's Age | <u>66</u> | <u>66</u> | OA36. Type of Medical Facility (for Initial Treatment) | <u>1</u> | <u>1</u> |
| OA06. Occupant's Sex | <u>1</u> | <u>1</u> | OA37. Hospital Stay | <u>00</u> | <u>00</u> |
| OA07. Occupant's Height | <u>74</u> | <u>74</u> | OA38. Working Days Lost | <u>97</u> | <u>97</u> |
| OA08. Occupant's Weight | <u>201</u> | <u>201</u> | OA39. Time to Death | <u>00</u> | <u>00</u> |
| OA17. Manual (Active) Belt System Availability | <u>3</u> | <u>3</u> | OA40. 1st Medically Reported Cause of Death | <u>00</u> | <u>00</u> |
| OA18. Manual (Active) Belt System Use | <u>00</u> | <u>00</u> | OA41. 2nd Medically Reported Cause of Death | <u>00</u> | <u>00</u> |
| OA21. Automatic (Passive) Restraint System Availability | <u>0</u> | <u>0</u> | OA42. 3rd Medically Reported Cause of Death | <u>00</u> | <u>00</u> |
| OA22. Automatic (Passive) Restraint Function | <u>0</u> | <u>0</u> | OA43. Number of Recorded Injuries for This Occupant | <u>04</u> | <u>04</u> |

INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the unofficial and official sources prior to initial case submission **and from subsequently** acquired medical data. Remember not to double count an injury just because it was identified from two different sources.

| | Source of Injury Data | O.I.C. – A.I.S. | | | | | Injury Source | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|------|-----------------------------|-----------------|----------------|----------------|-----------------|--------------------|------------------|---|-------------------------------|--------------------------------|
| | | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | | | | |
| 1st | 5. <u>3</u> | 6. <u>F</u> | 7. <u>S</u> | 8. <u>C</u> | 9. <u>I</u> | 10. <u>1</u> | 11. <u>01</u> | 12. <u>3</u> | 13. <u>1</u> | 14. <u>00</u> |
| 2nd | 15. <u>3</u> | 16. <u>K</u> | 17. <u>R</u> | 18. <u>LE</u> | 19. <u>I</u> | 20. <u>1</u> | 21. <u>10</u> | 22. <u>1</u> | 23. <u>1</u> | 24. <u>00</u> |
| 3rd | 25. <u>3</u> | 26. <u>K</u> | 27. <u>L</u> | 28. <u>C</u> | 29. <u>I</u> | 30. <u>1</u> | 31. <u>09</u> | 32. <u>1</u> | 33. <u>1</u> | 34. <u>00</u> |
| 4th | 35. <u>3</u> | 36. <u>R</u> | 37. <u>L</u> | 38. <u>L</u> | 39. <u>I</u> | 40. <u>1</u> | 41. <u>04</u> | 42. <u>3</u> | 43. <u>1</u> | 44. <u>00</u> |
| 5th | 45. <u>3</u> | 46. <u>R</u> | 47. <u>L</u> | 48. <u>A</u> | 49. <u>I</u> | 50. <u>1</u> | 51. <u>04</u> | 52. <u>3</u> | 53. <u>1</u> | 54. <u>00</u> |
| 6th | 55. <u> </u> | 56. <u> </u> | 57. <u> </u> | 58. <u> </u> | 59. <u> </u> | 60. <u> </u> | 61. <u> </u> | 62. <u> </u> | 63. <u> </u> | 64. <u> </u> |
| 7th | 65. <u> </u> | 66. <u> </u> | 67. <u> </u> | 68. <u> </u> | 69. <u> </u> | 70. <u> </u> | 71. <u> </u> | 72. <u> </u> | 73. <u> </u> | 74. <u> </u> |
| 8th | 75. <u> </u> | 76. <u> </u> | 77. <u> </u> | 78. <u> </u> | 79. <u> </u> | 80. <u> </u> | 81. <u> </u> | 82. <u> </u> | 83. <u> </u> | 84. <u> </u> |
| 9th | 85. <u> </u> | 86. <u> </u> | 87. <u> </u> | 88. <u> </u> | 89. <u> </u> | 90. <u> </u> | 91. <u> </u> | 92. <u> </u> | 93. <u> </u> | 94. <u> </u> |
| 10th | 95. <u> </u> | 96. <u> </u> | 97. <u> </u> | 98. <u> </u> | 99. <u> </u> | 100. <u> </u> | 101. <u> </u> | 102. <u> </u> | 103. <u> </u> | 104. <u> </u> |
| 11th | 105. <u> </u> | 106. <u> </u> | 107. <u> </u> | 108. <u> </u> | 109. <u> </u> | 110. <u> </u> | 111. <u> </u> | 112. <u> </u> | 113. <u> </u> | 114. <u> </u> |
| 12th | 115. <u> </u> | 116. <u> </u> | 117. <u> </u> | 118. <u> </u> | 119. <u> </u> | 120. <u> </u> | 121. <u> </u> | 122. <u> </u> | 123. <u> </u> | 124. <u> </u> |
| 13th | 125. <u> </u> | 126. <u> </u> | 127. <u> </u> | 128. <u> </u> | 129. <u> </u> | 130. <u> </u> | 131. <u> </u> | 132. <u> </u> | 133. <u> </u> | 134. <u> </u> |
| 14th | 135. <u> </u> | 136. <u> </u> | 137. <u> </u> | 138. <u> </u> | 139. <u> </u> | 140. <u> </u> | 141. <u> </u> | 142. <u> </u> | 143. <u> </u> | 144. <u> </u> |
| 15th | 145. <u> </u> | 146. <u> </u> | 147. <u> </u> | 148. <u> </u> | 149. <u> </u> | 150. <u> </u> | 151. <u> </u> | 152. <u> </u> | 153. <u> </u> | 154. <u> </u> |
| 16th | 155. <u> </u> | 156. <u> </u> | 157. <u> </u> | 158. <u> </u> | 159. <u> </u> | 160. <u> </u> | 161. <u> </u> | 162. <u> </u> | 163. <u> </u> | 164. <u> </u> |
| 17th | 165. <u> </u> | 166. <u> </u> | 167. <u> </u> | 168. <u> </u> | 169. <u> </u> | 170. <u> </u> | 171. <u> </u> | 172. <u> </u> | 173. <u> </u> | 174. <u> </u> |
| 18th | 175. <u> </u> | 176. <u> </u> | 177. <u> </u> | 178. <u> </u> | 179. <u> </u> | 180. <u> </u> | 181. <u> </u> | 182. <u> </u> | 183. <u> </u> | 184. <u> </u> |
| 19th | 185. <u> </u> | 186. <u> </u> | 187. <u> </u> | 188. <u> </u> | 189. <u> </u> | 190. <u> </u> | 191. <u> </u> | 192. <u> </u> | 193. <u> </u> | 194. <u> </u> |
| 20th | 195. <u> </u> | 196. <u> </u> | 197. <u> </u> | 198. <u> </u> | 199. <u> </u> | 200. <u> </u> | 201. <u> </u> | 202. <u> </u> | 203. <u> </u> | 204. <u> </u> |

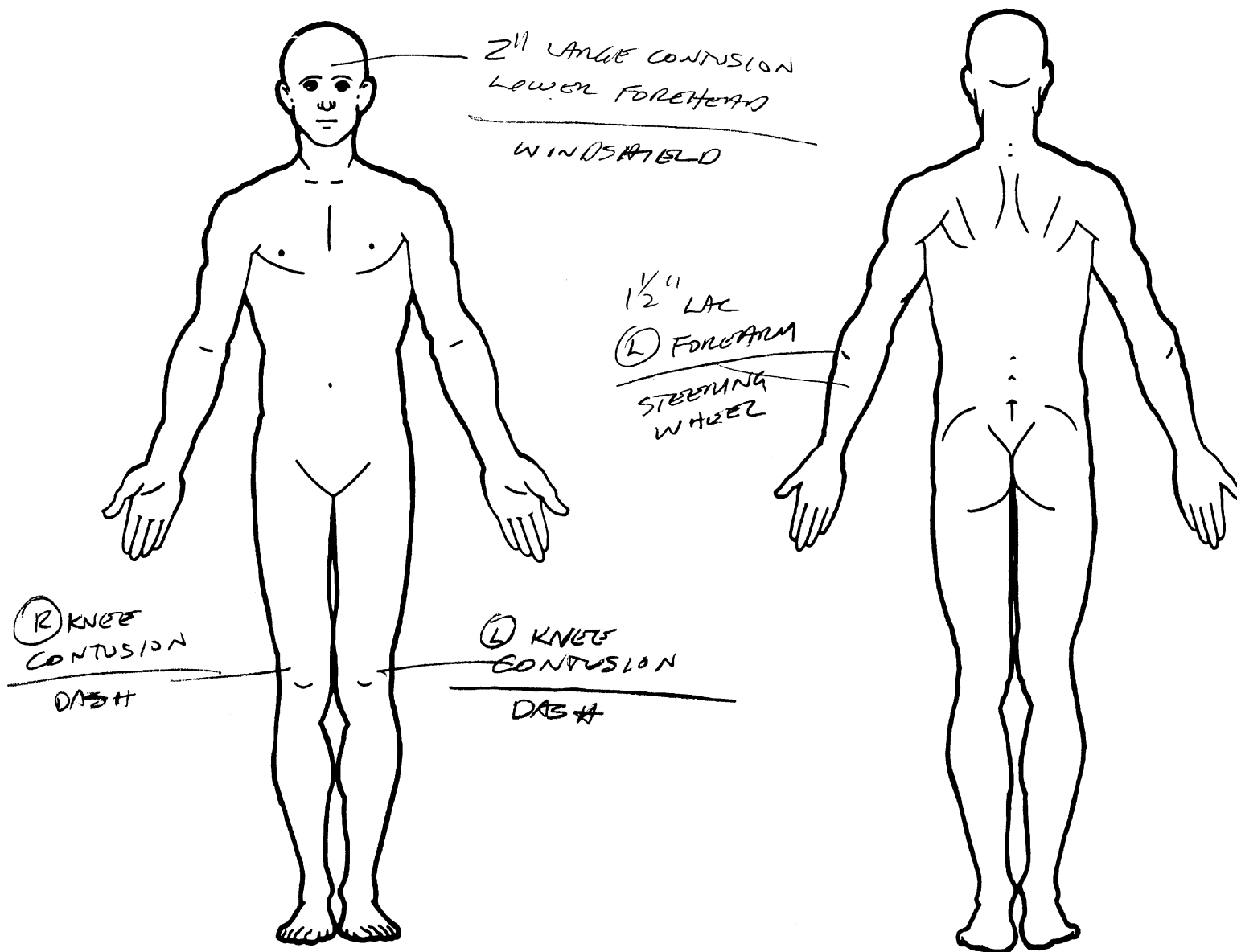
If greater than 20 injuries, code additional on Occupant Injury Data Supplement.

OCCUPANT INJURY DATA SUPPLEMENT

| | Source of Injury Data | O.I.C. – A.I.S. | | | | | Injury Source | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|------|-----------------------------|-----------------|--------|--------|-----------------|--------------------|------------------|---|-------------------------------|--------------------------------|
| | | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | | | | |
| 21st | — | — | — | — | — | — | — — — | — | — | — — — |
| 22nd | — | — | — | — | — | — | — — — | — | — | — — — |
| 23rd | — | — | — | — | — | — | — — — | — | — | — — — |
| 24th | — | — | — | — | — | — | — — — | — | — | — — — |
| 25th | — | — | — | — | — | — | — — — | — | — | — — — |
| 26th | — | — | — | — | — | — | — — — | — | — | — — — |
| 27th | — | — | — | — | — | — | — — — | — | — | — — — |
| 28th | — | — | — | — | — | — | — — — | — | — | — — — |
| 29th | — | — | — | — | — | — | — — — | — | — | — — — |
| 30th | — | — | — | — | — | — | — — — | — | — | — — — |
| 31st | — | — | — | — | — | — | — — — | — | — | — — — |
| 32nd | — | — | — | — | — | — | — — — | — | — | — — — |
| 33rd | — | — | — | — | — | — | — — — | — | — | — — — |
| 34th | — | — | — | — | — | — | — — — | — | — | — — — |
| 35th | — | — | — | — | — | — | — — — | — | — | — — — |
| 36th | — | — | — | — | — | — | — — — | — | — | — — — |
| 37th | — | — | — | — | — | — | — — — | — | — | — — — |
| 38th | — | — | — | — | — | — | — — — | — | — | — — — |
| 39th | — | — | — | — | — | — | — — — | — | — | — — — |
| 40th | — | — | — | — | — | — | — — — | — | — | — — — |
| 41st | — | — | — | — | — | — | — — — | — | — | — — — |
| 42nd | — | — | — | — | — | — | — — — | — | — | — — — |
| 43rd | — | — | — | — | — | — | — — — | — | — | — — — |
| 44th | — | — | — | — | — | — | — — — | — | — | — — — |
| 45th | — | — | — | — | — | — | — — — | — | — | — — — |

OFFICIAL INJURY DATA – SOFT TISSUE INJURIES

Indicate the *Location, Lesion, Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



SOURCE OF INJURY DATA

OFFICIAL

- (1) Autopsy records with or without hospital medical records
- (2) Hospital medical records other than emergency room (eg. discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): _____
- (9) Police

INJURY SOURCE

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add-on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A-pillar, instrument panel, or mirror (passenger side only)
- (16) Other front object (specify): _____

LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A pillar
- (23) Left B pillar
- (24) Other left pillar (specify): _____
- (25) Left side window glass or frame

- (26) Left side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail

- (27) Other left side object (specify): _____

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A pillar
- (33) Right B pillar
- (34) Other right pillar (specify): _____
- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, roof side rail
- (37) Other right side object (specify): _____

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify): _____

- (44) Head restraint system
- (45) Air cushion
- (46) Other occupants (specify): _____

- (47) Interior loose objects
- (48) Child safety seat (specify): _____

- (49) Other interior object (specify): _____

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor including toe pan
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

- (60) Backlight (rear window)
- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): _____

EXTERIOR OF OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): _____

- (68) Unknown exterior objects

EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): _____

- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify): _____

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): _____

- (83) Unknown exterior of other motor vehicle

OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify): _____

- (86) Unknown vehicle or object

NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): _____

- (97) Injured, unknown source

INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

DIRECT/INDIRECT INJURY

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

OCCUPANT INJURY CLASSIFICATION

O.I.C. Body Region

- (M) Abdomen
- (Q) Ankle-foot
- (A) Arm (upper)
- (B) Back-thoracolumbar spine
- (C) Chest
- (E) Elbow
- (F) Face
- (R) Forearm
- (H) Head-skull
- (U) Injured, unknown region
- (K) Knee
- (L) Leg (lower)
- (Y) Lower limb(s) (whole or unknown part)
- (N) Neck-cervical spine
- (P) Pelvic-hip
- (S) Shoulder
- (T) Thigh
- (X) Upper limb(s) (whole or unknown part)
- (O) Whole body

- (W) Wrist-hand

Aspect of Injury

- (A) Anterior-front
- (B) Bilateral (rib fracture only)
- (C) Central
- (I) Inferior-lower
- (U) Injured, unknown aspect
- (L) Left
- (P) Posterior-back
- (R) Right
- (S) Superior-upper
- (W) Whole region

Lesion

- (A) Abrasion
- (M) Amputation
- (V) Avulsion
- (B) Burn
- (K) Concussion
- (C) Contusion
- (N) Crush

- (G) Detachment, separation
- (D) Dislocation
- (F) Fracture
- (Z) Fracture and dislocation
- (U) Injured, unknown lesion
- (L) Laceration
- (O) Other
- (P) Perforation, puncture
- (R) Rupture
- (S) Sprain
- (T) Strain
- (E) Total severance, transection

System/Organ

- (W) All systems in region
- (A) Arteries-veins
- (B) Brain
- (D) Digestive
- (E) Ears
- (O) Eye
- (H) Heart
- (U) Injured, unknown system

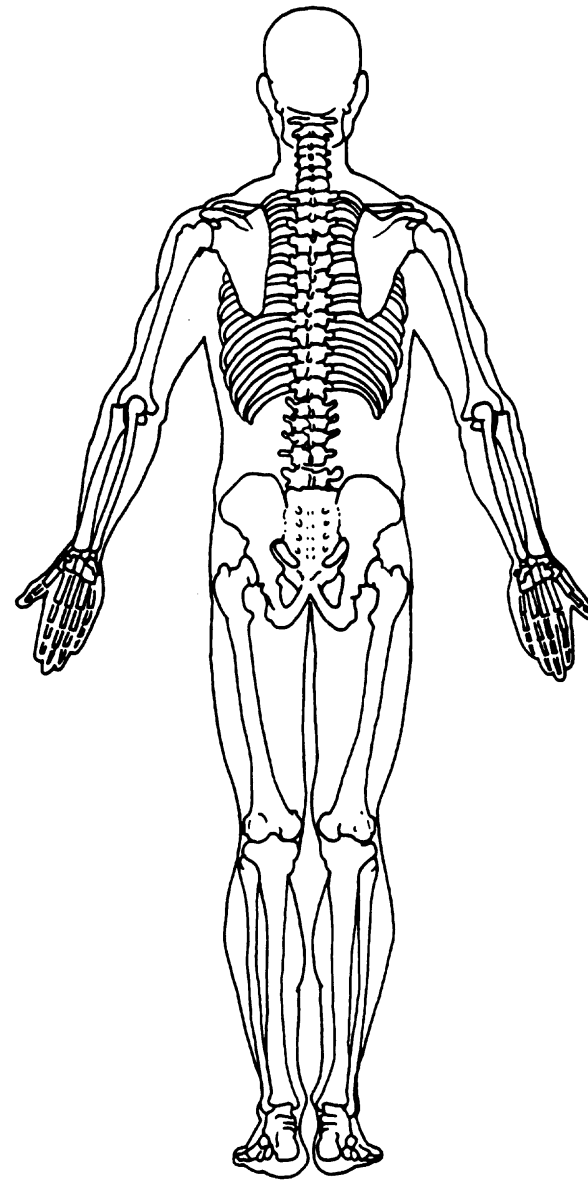
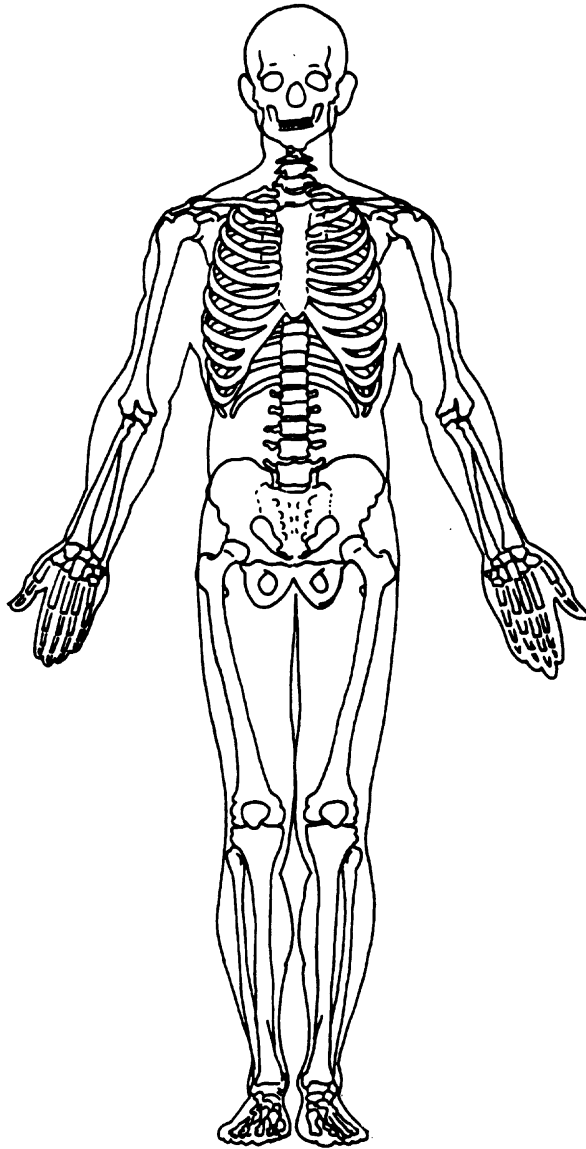
- (I) Integumentary
- (J) Joints
- (K) Kidneys
- (L) Liver
- (M) Muscles
- (N) Nervous system
- (P) Pulmonary-lungs
- (R) Respiratory
- (S) Skeletal
- (C) Spinal cord
- (Q) Spleen
- (T) Thyroid, other endocrine gland
- (G) Urogenital
- (V) Vertebrae

Abbreviated Injury Scale

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

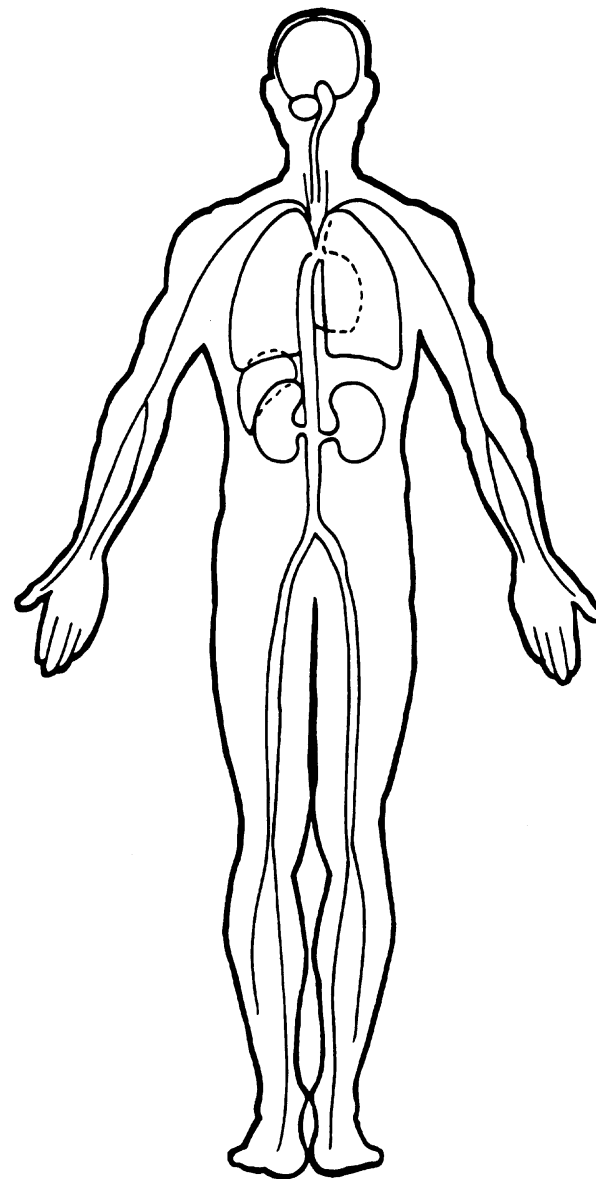
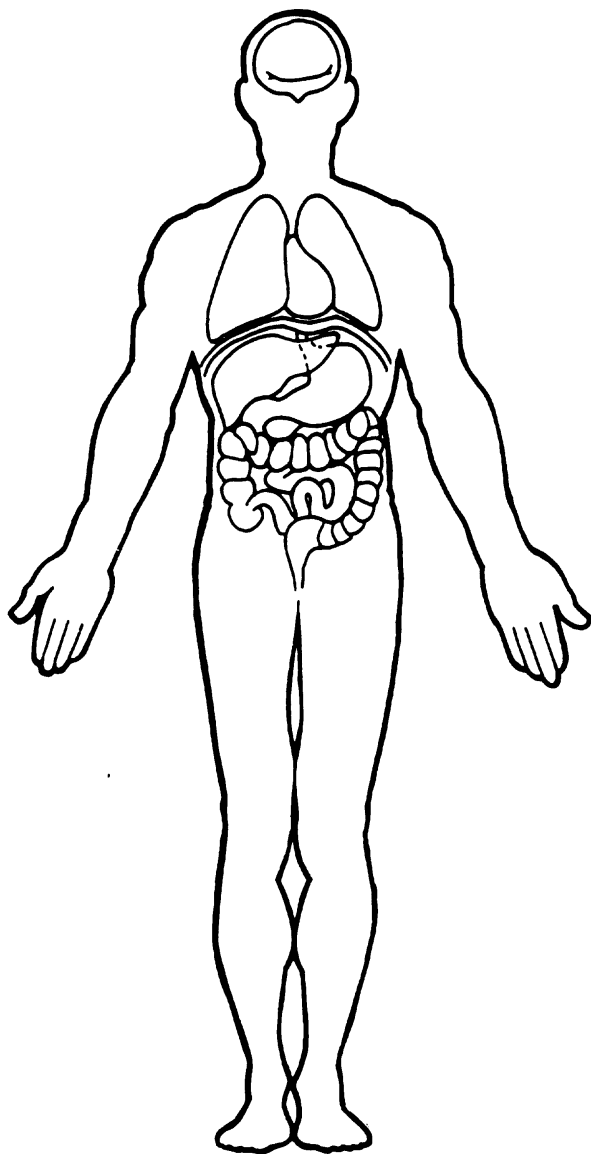
OFFICIAL INJURY DATA – SKELETAL INJURIES

Indicate the *Location*, *Lesion*, *Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



OFFICIAL INJURY DATA – INTERNAL INJURIES

Indicate the *Location*, *Lesion*, *Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





U.S. Department of Transportation

National Highway Traffic Safety
Administration

Form Approved

O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

OCCUPANT INJURY FORM

1. Primary Sampling Unit Number

45

3. Vehicle Number

01

2. Case Number—Stratum

121F

4. Occupant Number

02

INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than twenty injuries have been documented, encode the balance on the Occupant Injury Supplement.

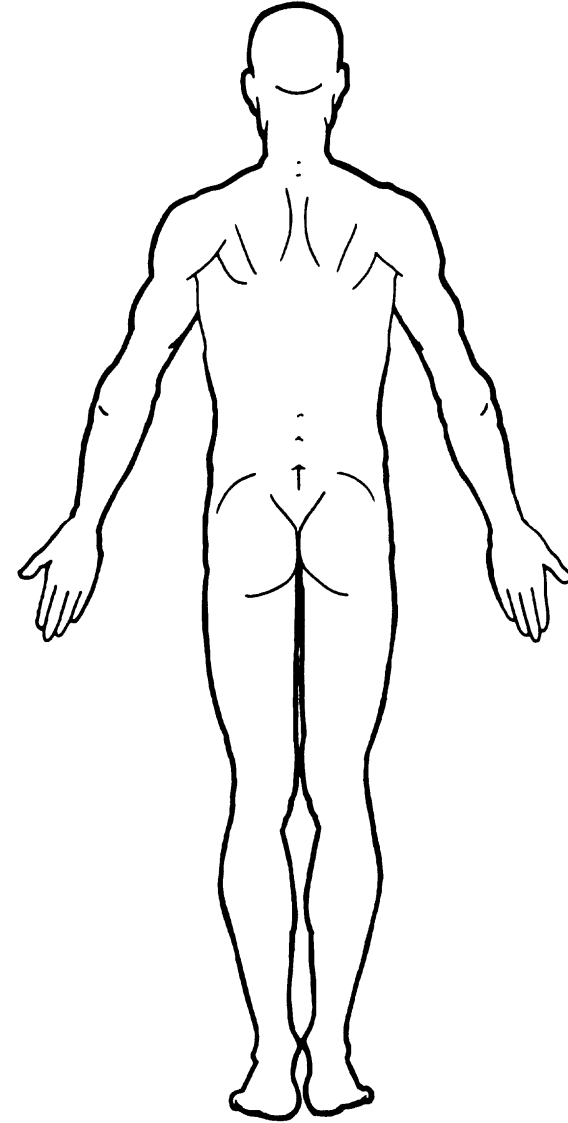
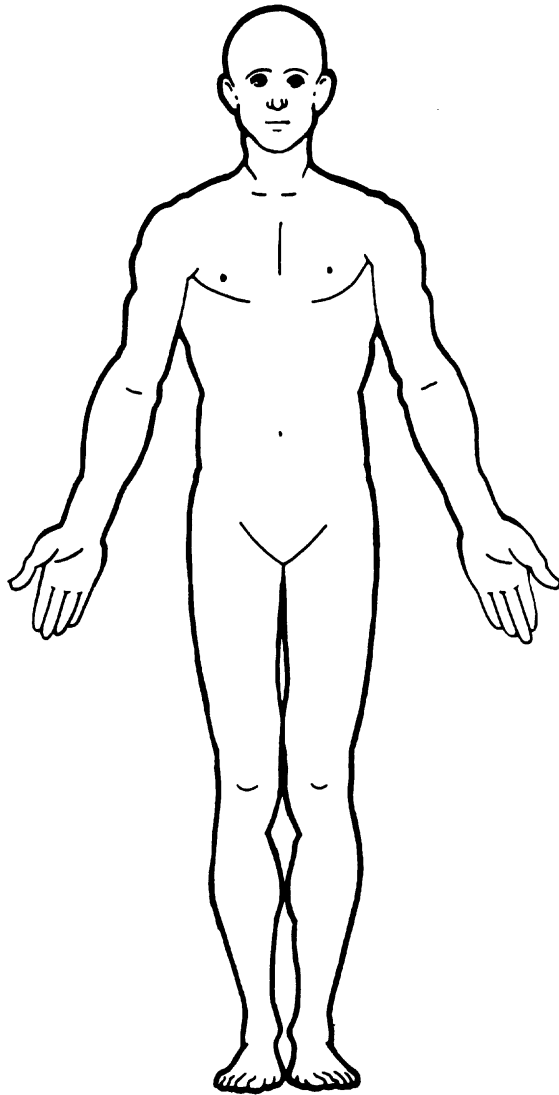
| | Source of Injury Data | O.I.C. — A.I.S. | | | | | Injury Source | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|------|-----------------------------|-----------------|--------------|--------------|-----------------|--------------------|------------------|---|-------------------------------|--------------------------------|
| | | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | | | | |
| 1st | 5. <u>2</u> | 6. <u>F</u> | 7. <u>S</u> | 8. <u>C</u> | 9. <u>I</u> | 10. <u>1</u> | 11. <u>01</u> | 12. <u>1</u> | 13. <u>1</u> | 14. <u>00</u> |
| 2nd | 15. <u>2</u> | 16. <u>K</u> | 17. <u>R</u> | 18. <u>C</u> | 19. <u>I</u> | 20. <u>1</u> | 21. <u>11</u> | 22. <u>1</u> | 23. <u>1</u> | 24. <u>00</u> |
| 3rd | 25. <u>2</u> | 26. <u>K</u> | 27. <u>L</u> | 28. <u>C</u> | 29. <u>I</u> | 30. <u>1</u> | 31. <u>10</u> | 32. <u>1</u> | 33. <u>1</u> | 34. <u>00</u> |
| 4th | 35. — | 36. — | 37. — | 38. — | 39. — | 40. — | 41. — | 42. — | 43. — | 44. — |
| 5th | 45. — | 46. — | 47. — | 48. — | 49. — | 50. — | 51. — | 52. — | 53. — | 54. — |
| 6th | 55. — | 56. — | 57. — | 58. — | 59. — | 60. — | 61. — | 62. — | 63. — | 64. — |
| 7th | 65. — | 66. — | 67. — | 68. — | 69. — | 70. — | 71. — | 72. — | 73. — | 74. — |
| 8th | 75. — | 76. — | 77. — | 78. — | 79. — | 80. — | 81. — | 82. — | 83. — | 84. — |
| 9th | 85. — | 86. — | 87. — | 88. — | 89. — | 90. — | 91. — | 92. — | 93. — | 94. — |
| 10th | 95. — | 96. — | 97. — | 98. — | 99. — | 100. — | 101. — | 102. — | 103. — | 104. — |
| 11th | 105. — | 106. — | 107. — | 108. — | 109. — | 110. — | 111. — | 112. — | 113. — | 114. — |
| 12th | 115. — | 116. — | 117. — | 118. — | 119. — | 120. — | 121. — | 122. — | 123. — | 124. — |
| 13th | 125. — | 126. — | 127. — | 128. — | 129. — | 130. — | 131. — | 132. — | 133. — | 134. — |
| 14th | 135. — | 136. — | 137. — | 138. — | 139. — | 140. — | 141. — | 142. — | 143. — | 144. — |
| 15th | 145. — | 146. — | 147. — | 148. — | 149. — | 150. — | 151. — | 152. — | 153. — | 154. — |
| 16th | 155. — | 156. — | 157. — | 158. — | 159. — | 160. — | 161. — | 162. — | 163. — | 164. — |
| 17th | 165. — | 166. — | 167. — | 168. — | 169. — | 170. — | 171. — | 172. — | 173. — | 174. — |
| 18th | 175. — | 176. — | 177. — | 178. — | 179. — | 180. — | 181. — | 182. — | 183. — | 184. — |
| 19th | 185. — | 186. — | 187. — | 188. — | 189. — | 190. — | 191. — | 192. — | 193. — | 194. — |
| 20th | 195. — | 196. — | 197. — | 198. — | 199. — | 200. — | 201. — | 202. — | 203. — | 204. — |

OCCUPANT INJURY DATA SUPPLEMENT

| | Source of Injury Data | O.I.C. – A.I.S. | | | | | Injury Source | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|------|-----------------------------|-----------------|--------|--------|-----------------|--------------------|------------------|---|-------------------------------|--------------------------------|
| | | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | | | | |
| 21st | — | — | — | — | — | — | — — | — | — | — — |
| 22nd | — | — | — | — | — | — | — — | — | — | — — |
| 23rd | — | — | — | — | — | — | — — | — | — | — — |
| 24th | — | — | — | — | — | — | — — | — | — | — — |
| 25th | — | — | — | — | — | — | — — | — | — | — — |
| 26th | — | — | — | — | — | — | — — | — | — | — — |
| 27th | — | — | — | — | — | — | — — | — | — | — — |
| 28th | — | — | — | — | — | — | — — | — | — | — — |
| 29th | — | — | — | — | — | — | — — | — | — | — — |
| 30th | — | — | — | — | — | — | — — | — | — | — — |
| 31st | — | — | — | — | — | — | — — | — | — | — — |
| 32nd | — | — | — | — | — | — | — — | — | — | — — |
| 33rd | — | — | — | — | — | — | — — | — | — | — — |
| 34th | — | — | — | — | — | — | — — | — | — | — — |
| 35th | — | — | — | — | — | — | — — | — | — | — — |
| 36th | — | — | — | — | — | — | — — | — | — | — — |
| 37th | — | — | — | — | — | — | — — | — | — | — — |
| 38th | — | — | — | — | — | — | — — | — | — | — — |
| 39th | — | — | — | — | — | — | — — | — | — | — — |
| 40th | — | — | — | — | — | — | — — | — | — | — — |
| 41st | — | — | — | — | — | — | — — | — | — | — — |
| 42nd | — | — | — | — | — | — | — — | — | — | — — |
| 43rd | — | — | — | — | — | — | — — | — | — | — — |
| 44th | — | — | — | — | — | — | — — | — | — | — — |
| 45th | — | — | — | — | — | — | — — | — | — | — — |

OFFICIAL INJURY DATA – SOFT TISSUE INJURIES

Indicate the *Location*, *Lesion*, *Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



SOURCE OF INJURY DATA

OFFICIAL

- (1) Autopsy records with or without hospital medical records
- (2) Hospital medical records other than emergency room (eg. discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): _____
- (9) Police

INJURY SOURCE

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add-on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A-pillar, instrument panel, or mirror (passenger side only)
- (16) Other front object (specify): _____

LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A pillar
- (23) Left B pillar
- (24) Other left pillar (specify): _____
- (25) Left side window glass or frame

- (26) Left side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail
- (27) Other left side object (specify): _____

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A pillar
- (33) Right B pillar
- (34) Other right pillar (specify): _____
- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, roof side rail
- (37) Other right side object (specify): _____

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify): _____

- (44) Head restraint system
- (45) Air cushion
- (46) Other occupants (specify): _____

- (47) Interior loose objects
- (48) Child safety seat (specify): _____

- (49) Other interior object (specify): _____

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor including toe pan
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

- (60) Backlight (rear window)
- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): _____

EXTERIOR OF OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): _____

- (68) Unknown exterior objects

EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): _____

- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify): _____

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): _____

- (83) Unknown exterior of other motor vehicle

OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify): _____

- (86) Unknown vehicle or object

NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): _____

- (97) Injured, unknown source

INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

DIRECT/INDIRECT INJURY

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

OCCUPANT INJURY CLASSIFICATION

O.I.C. Body Region

- (M) Abdomen
- (Q) Ankle-foot
- (A) Arm (upper)
- (B) Back-thoracolumbar spine
- (C) Chest
- (E) Elbow
- (F) Face
- (R) Forearm
- (H) Head-skull
- (U) Injured, unknown region
- (K) Knee
- (L) Leg (lower)
- (Y) Lower limb(s) (whole or unknown part)
- (N) Neck-cervical spine
- (P) Pelvic-hip
- (S) Shoulder
- (T) Thigh
- (X) Upper limb(s) (whole or unknown part)
- (O) Whole body

(W) Wrist-hand

Aspect of Injury

- (A) Anterior-front
- (B) Bilateral (rib fracture only)
- (C) Central
- (I) Inferior-lower
- (U) Injured, unknown aspect
- (L) Left
- (P) Posterior-back
- (R) Right
- (S) Superior-upper
- (W) Whole region

Lesion

- (A) Abrasion
- (M) Amputation
- (V) Avulsion
- (B) Burn
- (K) Concussion
- (C) Contusion
- (N) Crush

(G) Detachment, separation

- (D) Dislocation
- (F) Fracture
- (Z) Fracture and dislocation
- (U) Injured, unknown lesion
- (L) Laceration
- (O) Other
- (P) Perforation, puncture
- (R) Rupture
- (S) Sprain
- (T) Strain
- (E) Total severance, transection

System/Organ

- (W) All systems in region
- (A) Arteries-veins
- (B) Brain
- (D) Digestive
- (E) Ears
- (O) Eye
- (H) Heart
- (U) Injured, unknown system

(I) Integumentary

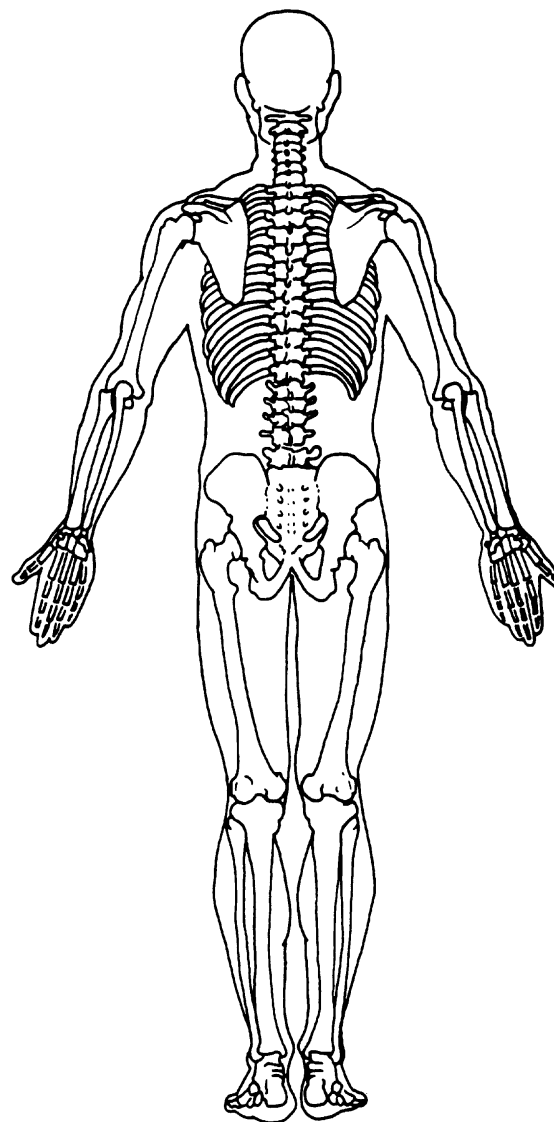
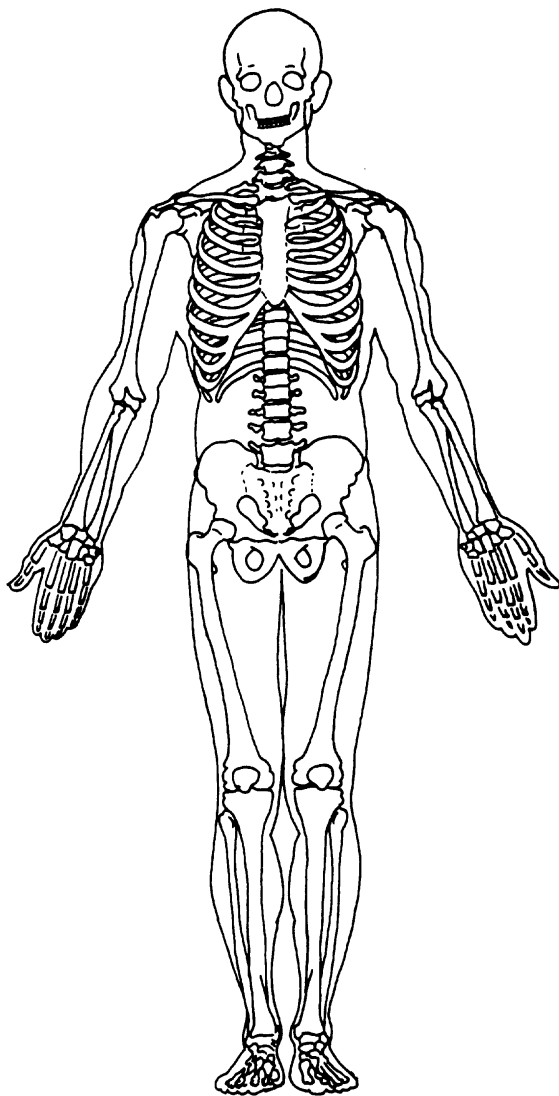
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- (M) Muscles
- (N) Nervous system
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- (R) Respiratory
- (S) Skeletal
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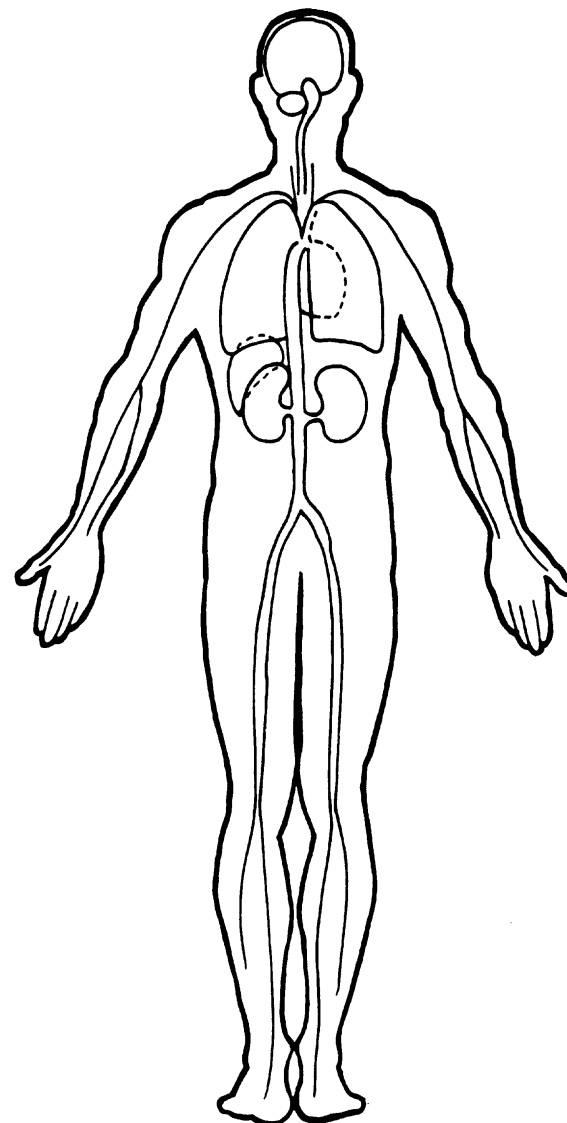
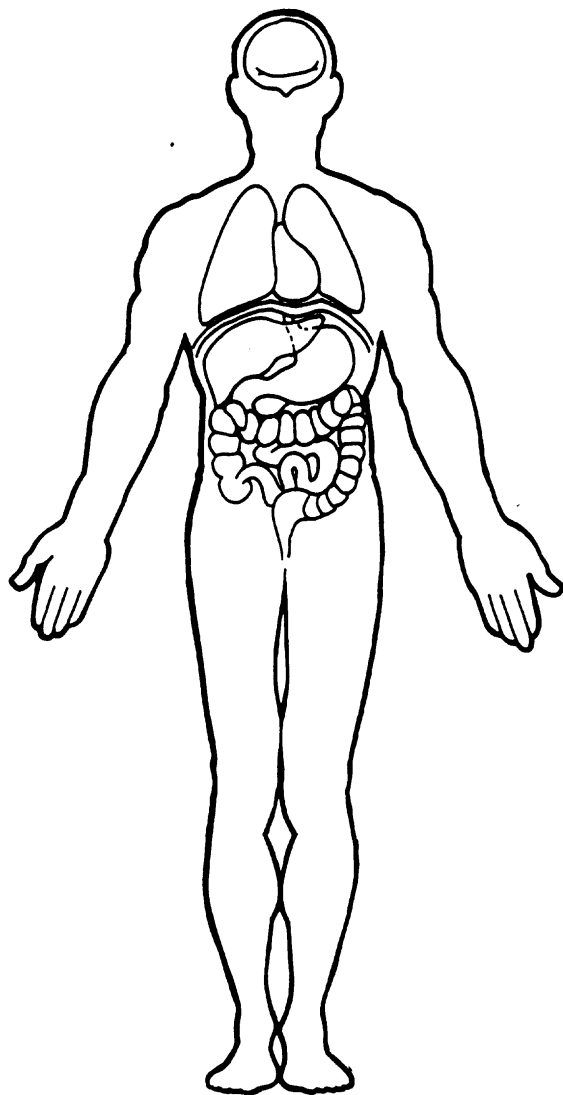
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OFFICIAL INJURY DATA – INTERNAL INJURIES

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UPDATE FORM

1. Primary Sampling Unit Number

45

2. Case Number - Stratum

12 1 F

3. Vehicle Number

01

4. Occupant Number

02

RECEIVED  1989

Driver or Occupant Name: _____

Address: _____

Other Information: _____

(Sanitize this section prior to Update submission.)

INJURY DATA CODED ON INITIAL SUBMISSION

| O.I.C. - A.I.S. | | | | | | | | | | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|-----------------------------|----------------|---------------|---------------|-----------------|--------------------|------------------|----------------|----------------|----------------|---|-------------------------------|--------------------------------|
| Source of Injury Data | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | Injury Source | | | | | | |
| 1st | 5. <u>7</u> | 6. <u>F</u> | 7. <u>S</u> | 8. <u>C</u> | 9. <u>I</u> | 10. <u>1</u> | 11. <u>01</u> | 12. <u>1</u> | 13. <u>1</u> | 14. <u>00</u> | | |
| 2nd | 15. <u>7</u> | 16. <u>K</u> | 17. <u>R</u> | 18. <u>C</u> | 19. <u>I</u> | 20. <u>1</u> | 21. <u>11</u> | 22. <u>1</u> | 23. <u>1</u> | 24. <u>00</u> | | |
| 3rd | 25. <u>7</u> | 26. <u>K</u> | 27. <u>L</u> | 28. <u>C</u> | 29. <u>I</u> | 30. <u>1</u> | 31. <u>10</u> | 32. <u>1</u> | 33. <u>1</u> | 34. <u>00</u> | | |
| 4th | 35. <u> </u> | 36. <u> </u> | 37. <u> </u> | 38. <u> </u> | 39. <u> </u> | 40. <u> </u> | 41. <u> </u> | 42. <u> </u> | 43. <u> </u> | 44. <u> </u> | | |
| 5th | 45. <u> </u> | 46. <u> </u> | 47. <u> </u> | 48. <u> </u> | 49. <u> </u> | 50. <u> </u> | 51. <u> </u> | 52. <u> </u> | 53. <u> </u> | 54. <u> </u> | | |
| 6th | 55. <u> </u> | 56. <u> </u> | 57. <u> </u> | 58. <u> </u> | 59. <u> </u> | 60. <u> </u> | 61. <u> </u> | 62. <u> </u> | 63. <u> </u> | 64. <u> </u> | | |
| 7th | 65. <u> </u> | 66. <u> </u> | 67. <u> </u> | 68. <u> </u> | 69. <u> </u> | 70. <u> </u> | 71. <u> </u> | 72. <u> </u> | 73. <u> </u> | 74. <u> </u> | | |
| 8th | 75. <u> </u> | 76. <u> </u> | 77. <u> </u> | 78. <u> </u> | 79. <u> </u> | 80. <u> </u> | 81. <u> </u> | 82. <u> </u> | 83. <u> </u> | 84. <u> </u> | | |
| 9th | 85. <u> </u> | 86. <u> </u> | 87. <u> </u> | 88. <u> </u> | 89. <u> </u> | 90. <u> </u> | 91. <u> </u> | 92. <u> </u> | 93. <u> </u> | 94. <u> </u> | | |
| 10th | 95. <u> </u> | 96. <u> </u> | 97. <u> </u> | 98. <u> </u> | 99. <u> </u> | 100. <u> </u> | 101. <u> </u> | 102. <u> </u> | 103. <u> </u> | 104. <u> </u> | | |

NOTE: If necessary, keep copy of original Occupant Injury form and submit as part of update.

UPDATED CASE INFORMATION

| | INITIAL SUBMISSION | FINAL | | INITIAL SUBMISSION | FINAL |
|---|-----------------------|------------|---|-----------------------|-----------|
| GV12. Alcohol Test Results for Driver | <u>96</u> | <u>96</u> | OA35. Treatment - Mortality | <u>4</u> | <u>4</u> |
| OA05. Occupant's Age | <u>70</u> | <u>70</u> | OA36. Type of Medical Facility (for Initial Treatment) | <u>1</u> | <u>1</u> |
| OA06. Occupant's Sex | <u>2</u> | <u>2</u> | OA37. Hospital Stay | <u>00</u> | <u>00</u> |
| OA07. Occupant's Height | <u>66</u> | <u>66</u> | OA38. Working Days Lost | <u>97</u> | <u>97</u> |
| OA08. Occupant's Weight | <u>187</u> | <u>187</u> | OA39. Time to Death | <u>00</u> | <u>00</u> |
| OA17. Manual (Active) Belt System Availability | <u>3</u> | <u>3</u> | OA40. 1st Medically Reported Cause of Death | <u>00</u> | <u>00</u> |
| OA18. Manual (Active) Belt System Use | <u>00</u> | <u>00</u> | OA41. 2nd Medically Reported Cause of Death | <u>00</u> | <u>00</u> |
| OA21. Automatic (Passive) Restraint System Availability | <u>0</u> | <u>0</u> | OA42. 3rd Medically Reported Cause of Death | <u>00</u> | <u>00</u> |
| OA22. Automatic (Passive) Restraint Function | <u>0</u> | <u>0</u> | OA43. Number of Recorded Inju- ries for This Occupant | <u>03</u> | <u>05</u> |

INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the unofficial and official sources prior to initial case submission **and from subsequently** acquired medical data. Remember not to double count an injury just because it was identified from two different sources.

| | Source of Injury Data | O.I.C. – A.I.S. | | | | | Injury Source | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|------|-----------------------------|-----------------|----------------|----------------|-----------------|--------------------|------------------|---|-------------------------------|--------------------------------|
| | | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | | | | |
| 1st | 5. <u>3</u> | 6. <u>F</u> | 7. <u>S</u> | 8. <u>C</u> | 9. <u>I</u> | 10. <u>1</u> | 11. <u>01</u> | 12. <u>1</u> | 13. <u>1</u> | 14. <u>00</u> |
| 2nd | 15. <u>3</u> | 16. <u>K</u> | 17. <u>R</u> | 18. <u>C</u> | 19. <u>I</u> | 20. <u>1</u> | 21. <u>11</u> | 22. <u>1</u> | 23. <u>1</u> | 24. <u>00</u> |
| 3rd | 25. <u>3</u> | 26. <u>K</u> | 27. <u>L</u> | 28. <u>C</u> | 29. <u>I</u> | 30. <u>1</u> | 31. <u>10</u> | 32. <u>1</u> | 33. <u>1</u> | 34. <u>00</u> |
| 4th | 35. <u>3</u> | 36. <u>K</u> | 37. <u>R</u> | 38. <u>A</u> | 39. <u>I</u> | 40. <u>1</u> | 41. <u>11</u> | 42. <u>1</u> | 43. <u>1</u> | 44. <u>00</u> |
| 5th | 45. <u>3</u> | 46. <u>K</u> | 47. <u>L</u> | 48. <u>A</u> | 49. <u>I</u> | 50. <u>1</u> | 51. <u>10</u> | 52. <u>1</u> | 53. <u>1</u> | 54. <u>00</u> |
| 6th | 55. <u> </u> | 56. <u> </u> | 57. <u> </u> | 58. <u> </u> | 59. <u> </u> | 60. <u> </u> | 61. <u> </u> | 62. <u> </u> | 63. <u> </u> | 64. <u> </u> |
| 7th | 65. <u> </u> | 66. <u> </u> | 67. <u> </u> | 68. <u> </u> | 69. <u> </u> | 70. <u> </u> | 71. <u> </u> | 72. <u> </u> | 73. <u> </u> | 74. <u> </u> |
| 8th | 75. <u> </u> | 76. <u> </u> | 77. <u> </u> | 78. <u> </u> | 79. <u> </u> | 80. <u> </u> | 81. <u> </u> | 82. <u> </u> | 83. <u> </u> | 84. <u> </u> |
| 9th | 85. <u> </u> | 86. <u> </u> | 87. <u> </u> | 88. <u> </u> | 89. <u> </u> | 90. <u> </u> | 91. <u> </u> | 92. <u> </u> | 93. <u> </u> | 94. <u> </u> |
| 10th | 95. <u> </u> | 96. <u> </u> | 97. <u> </u> | 98. <u> </u> | 99. <u> </u> | 100. <u> </u> | 101. <u> </u> | 102. <u> </u> | 103. <u> </u> | 104. <u> </u> |
| 11th | 105. <u> </u> | 106. <u> </u> | 107. <u> </u> | 108. <u> </u> | 109. <u> </u> | 110. <u> </u> | 111. <u> </u> | 112. <u> </u> | 113. <u> </u> | 114. <u> </u> |
| 12th | 115. <u> </u> | 116. <u> </u> | 117. <u> </u> | 118. <u> </u> | 119. <u> </u> | 120. <u> </u> | 121. <u> </u> | 122. <u> </u> | 123. <u> </u> | 124. <u> </u> |
| 13th | 125. <u> </u> | 126. <u> </u> | 127. <u> </u> | 128. <u> </u> | 129. <u> </u> | 130. <u> </u> | 131. <u> </u> | 132. <u> </u> | 133. <u> </u> | 134. <u> </u> |
| 14th | 135. <u> </u> | 136. <u> </u> | 137. <u> </u> | 138. <u> </u> | 139. <u> </u> | 140. <u> </u> | 141. <u> </u> | 142. <u> </u> | 143. <u> </u> | 144. <u> </u> |
| 15th | 145. <u> </u> | 146. <u> </u> | 147. <u> </u> | 148. <u> </u> | 149. <u> </u> | 150. <u> </u> | 151. <u> </u> | 152. <u> </u> | 153. <u> </u> | 154. <u> </u> |
| 16th | 155. <u> </u> | 156. <u> </u> | 157. <u> </u> | 158. <u> </u> | 159. <u> </u> | 160. <u> </u> | 161. <u> </u> | 162. <u> </u> | 163. <u> </u> | 164. <u> </u> |
| 17th | 165. <u> </u> | 166. <u> </u> | 167. <u> </u> | 168. <u> </u> | 169. <u> </u> | 170. <u> </u> | 171. <u> </u> | 172. <u> </u> | 173. <u> </u> | 174. <u> </u> |
| 18th | 175. <u> </u> | 176. <u> </u> | 177. <u> </u> | 178. <u> </u> | 179. <u> </u> | 180. <u> </u> | 181. <u> </u> | 182. <u> </u> | 183. <u> </u> | 184. <u> </u> |
| 19th | 185. <u> </u> | 186. <u> </u> | 187. <u> </u> | 188. <u> </u> | 189. <u> </u> | 190. <u> </u> | 191. <u> </u> | 192. <u> </u> | 193. <u> </u> | 194. <u> </u> |
| 20th | 195. <u> </u> | 196. <u> </u> | 197. <u> </u> | 198. <u> </u> | 199. <u> </u> | 200. <u> </u> | 201. <u> </u> | 202. <u> </u> | 203. <u> </u> | 204. <u> </u> |

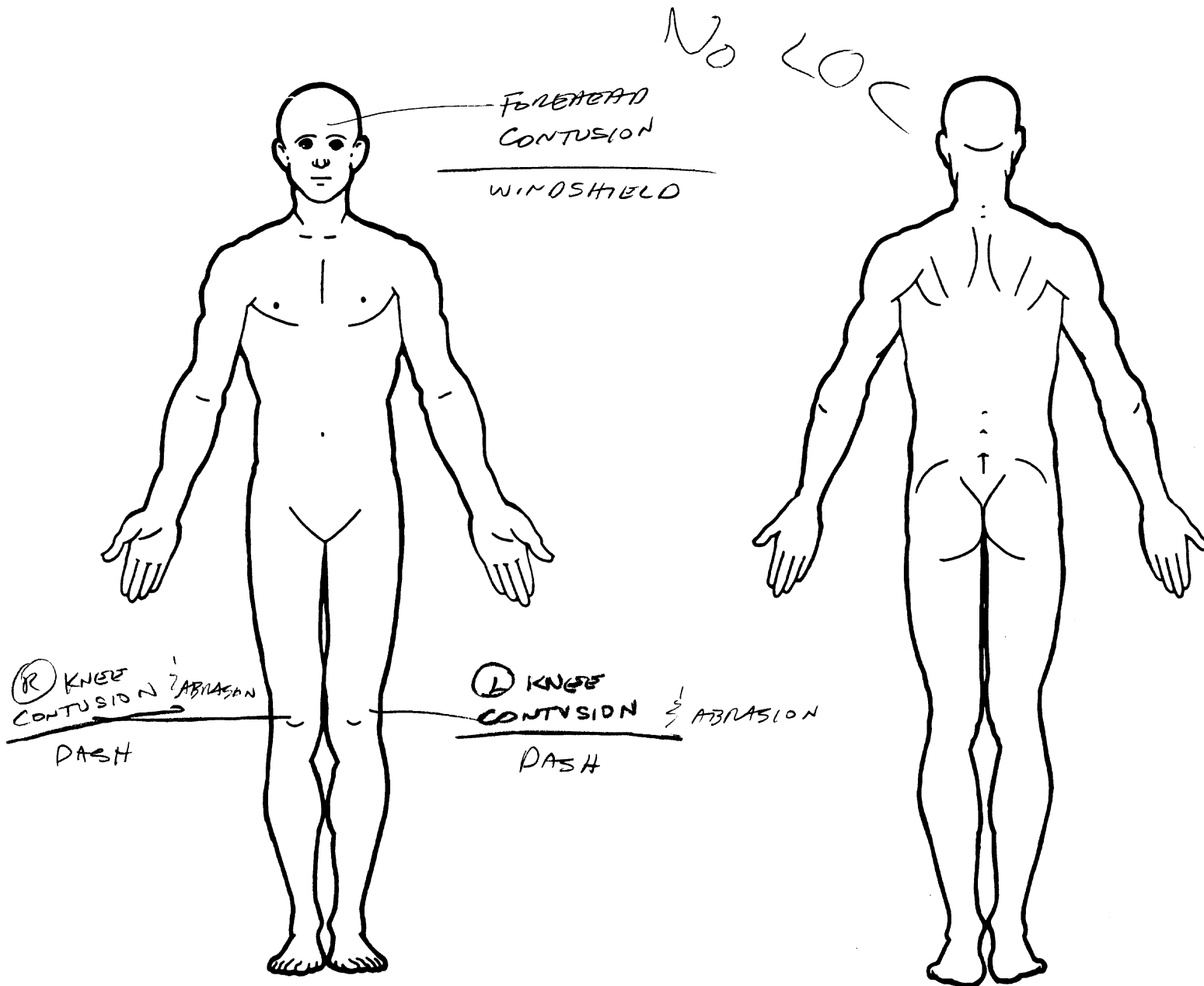
If greater than 20 injuries, code additional on Occupant Injury Data Supplement.

OCCUPANT INJURY DATA SUPPLEMENT

| | Source of Injury Data | O.I.C. – A.I.S. | | | | | Injury Source | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|------|-----------------------------|-----------------|--------|--------|-----------------|--------------------|------------------|---|-------------------------------|--------------------------------|
| | | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | | | | |
| 21st | — | — | — | — | — | — | — — | — | — | — — |
| 22nd | — | — | — | — | — | — | — — | — | — | — — |
| 23rd | — | — | — | — | — | — | — — | — | — | — — |
| 24th | — | — | — | — | — | — | — — | — | — | — — |
| 25th | — | — | — | — | — | — | — — | — | — | — — |
| 26th | — | — | — | — | — | — | — — | — | — | — — |
| 27th | — | — | — | — | — | — | — — | — | — | — — |
| 28th | — | — | — | — | — | — | — — | — | — | — — |
| 29th | — | — | — | — | — | — | — — | — | — | — — |
| 30th | — | — | — | — | — | — | — — | — | — | — — |
| 31st | — | — | — | — | — | — | — — | — | — | — — |
| 32nd | — | — | — | — | — | — | — — | — | — | — — |
| 33rd | — | — | — | — | — | — | — — | — | — | — — |
| 34th | — | — | — | — | — | — | — — | — | — | — — |
| 35th | — | — | — | — | — | — | — — | — | — | — — |
| 36th | — | — | — | — | — | — | — — | — | — | — — |
| 37th | — | — | — | — | — | — | — — | — | — | — — |
| 38th | — | — | — | — | — | — | — — | — | — | — — |
| 39th | — | — | — | — | — | — | — — | — | — | — — |
| 40th | — | — | — | — | — | — | — — | — | — | — — |
| 41st | — | — | — | — | — | — | — — | — | — | — — |
| 42nd | — | — | — | — | — | — | — — | — | — | — — |
| 43rd | — | — | — | — | — | — | — — | — | — | — — |
| 44th | — | — | — | — | — | — | — — | — | — | — — |
| 45th | — | — | — | — | — | — | — — | — | — | — — |

OFFICIAL INJURY DATA – SOFT TISSUE INJURIES

Indicate the *Location, Lesion, Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



SOURCE OF INJURY DATA

OFFICIAL

- (1) Autopsy records with or without hospital medical records
- (2) Hospital medical records other than emergency room (eg. discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): _____
- (9) Police

INJURY SOURCE

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add-on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A-pillar, instrument panel, or mirror (passenger side only)
- (16) Other front object (specify): _____

LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A pillar
- (23) Left B pillar
- (24) Other left pillar (specify): _____
- (25) Left side window glass or frame

- (26) Left side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail
- (27) Other left side object (specify): _____

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A pillar
- (33) Right B pillar
- (34) Other right pillar (specify): _____
- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, roof side rail
- (37) Other right side object (specify): _____

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify): _____
- (44) Head restraint system
- (45) Air cushion
- (46) Other occupants (specify): _____
- (47) Interior loose objects
- (48) Child safety seat (specify): _____
- (49) Other interior object (specify): _____

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor including toe pan
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

- (60) Backlight (rear window)
- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): _____

EXTERIOR OF OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): _____
- (68) Unknown exterior objects

EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): _____
- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify): _____

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): _____

- (83) Unknown exterior of other motor vehicle

OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify): _____

- (86) Unknown vehicle or object

NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): _____

- (97) Injured, unknown source

INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

DIRECT/INDIRECT INJURY

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

OCCUPANT INJURY CLASSIFICATION

O.I.C. Body Region

- (M) Abdomen
- (Q) Ankle-foot
- (A) Arm (upper)
- (B) Back-thoracolumbar spine
- (C) Chest
- (E) Elbow
- (F) Face
- (R) Forearm
- (H) Head-skull
- (U) Injured, unknown region
- (K) Knee
- (L) Leg (lower)
- (Y) Lower limb(s) (whole or unknown part)
- (N) Neck-cervical spine
- (P) Pelvic-hip
- (S) Shoulder
- (T) Thigh
- (X) Upper limb(s) (whole or unknown part)
- (O) Whole body

- (W) Wrist-hand

Aspect of Injury

- (A) Anterior-front
- (B) Bilateral (rib fracture only)
- (C) Central
- (I) Inferior-lower
- (U) Injured, unknown aspect
- (L) Left
- (P) Posterior-back
- (R) Right
- (S) Superior-upper
- (W) Whole region

Lesion

- (A) Abrasion
- (M) Amputation
- (V) Avulsion
- (B) Burn
- (K) Concussion
- (C) Contusion
- (N) Crush

- (G) Detachment, separation
- (D) Dislocation
- (F) Fracture
- (Z) Fracture and dislocation
- (U) Injured, unknown lesion
- (L) Laceration
- (O) Other
- (P) Perforation, puncture
- (R) Rupture
- (S) Sprain
- (T) Strain
- (E) Total severance, transection

System/Organ

- (W) All systems in region
- (A) Arteries-veins
- (B) Brain
- (D) Digestive
- (E) Ears
- (O) Eye
- (H) Heart
- (U) Injured, unknown system

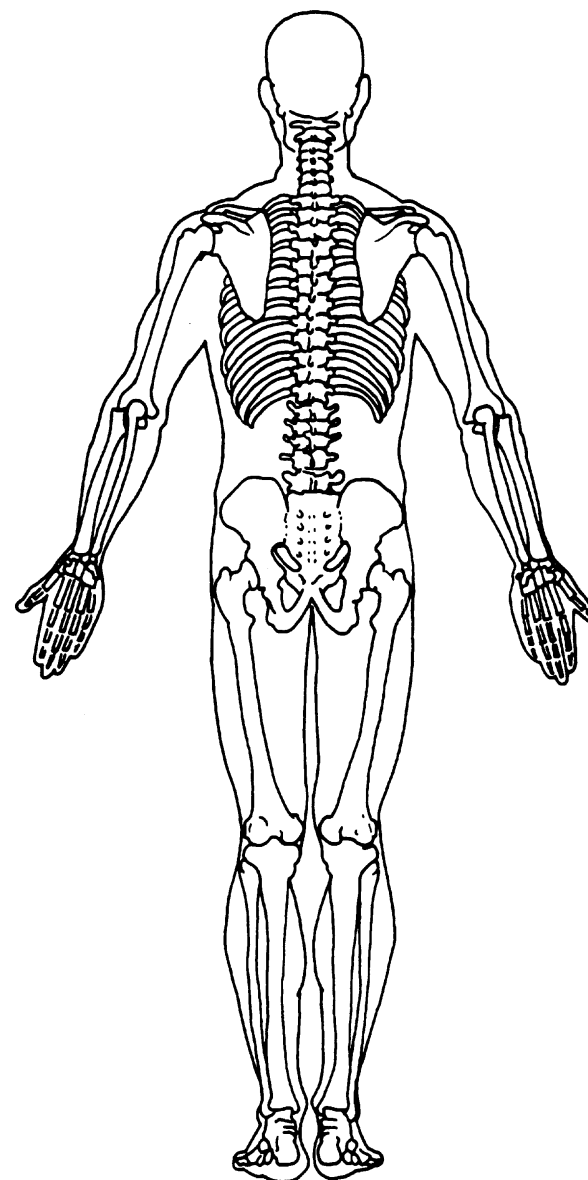
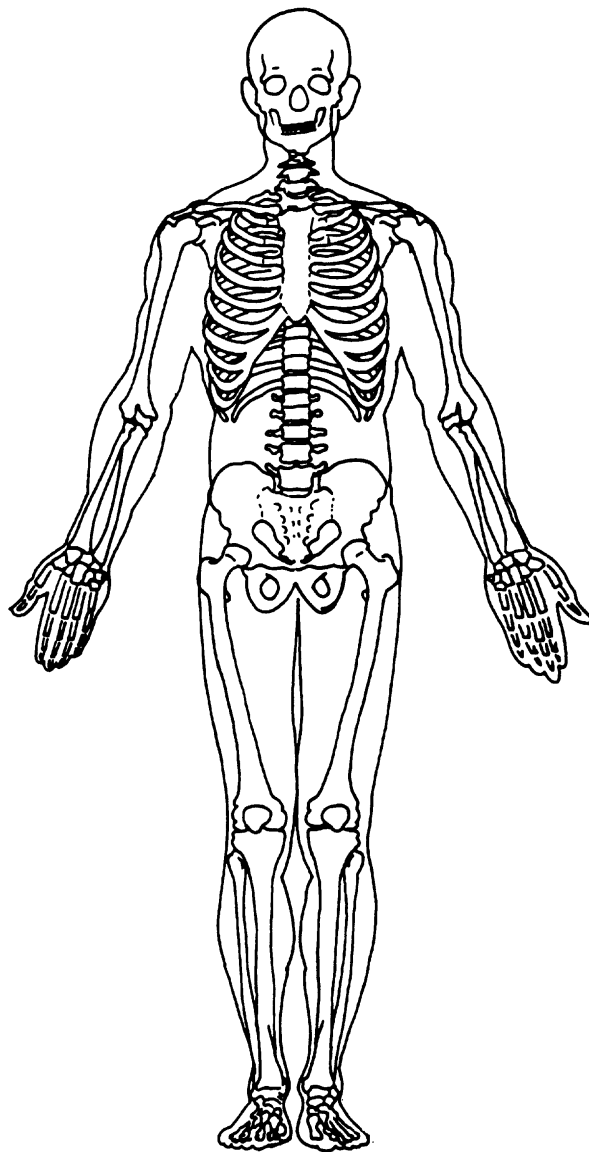
- (I) Integumentary
- (J) Joints
- (K) Kidneys
- (L) Liver
- (M) Muscles
- (N) Nervous system
- (P) Pulmonary-lungs
- (R) Respiratory
- (S) Skeletal
- (C) Spinal cord
- (Q) Spleen
- (T) Thyroid, other endocrine gland
- (G) Urogenital
- (V) Vertebrae

Abbreviated Injury Scale

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

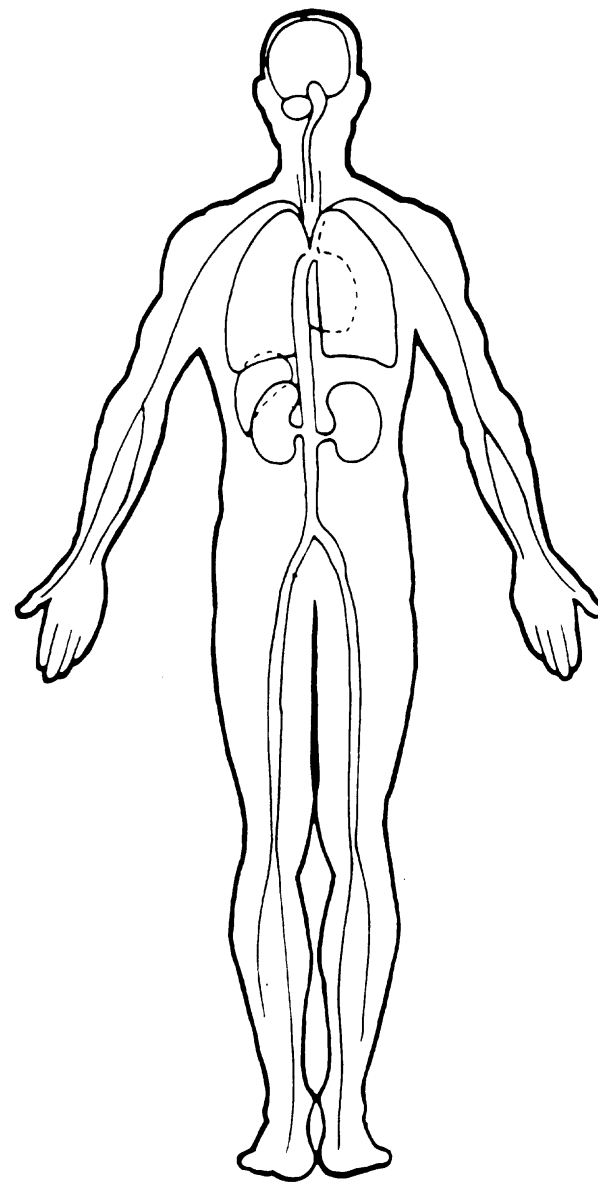
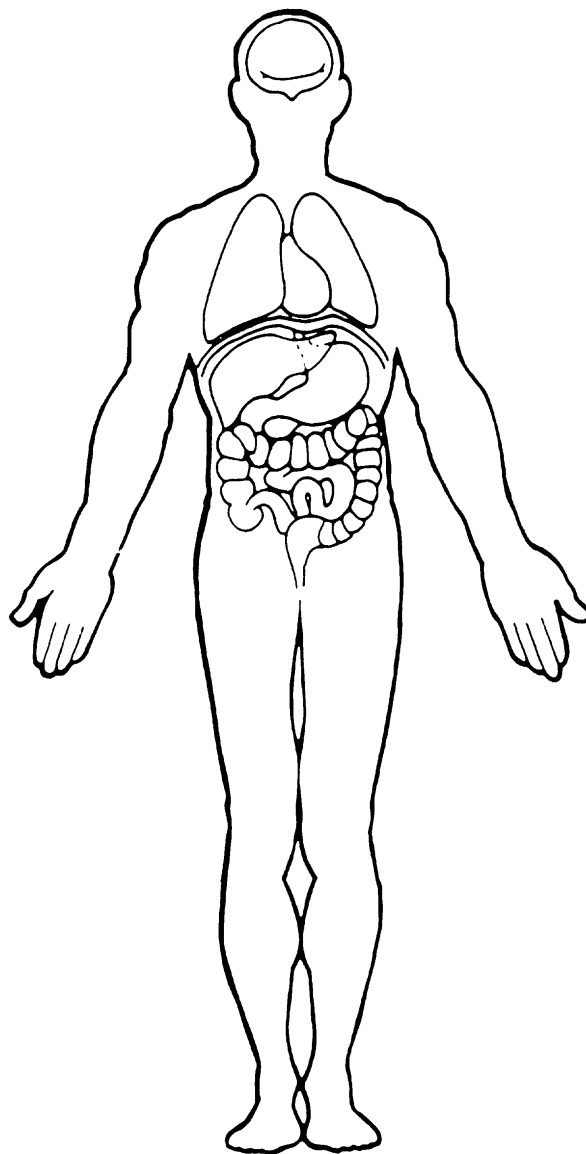
OFFICIAL INJURY DATA—SKELETAL INJURIES

Indicate the *Location, Lesion, Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



OFFICIAL INJURY DATA – INTERNAL INJURIES

Indicate the *Location*, *Lesion*, *Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





EXTERIOR VEHICLE FORM

| | |
|---|-----------------------------|
| 1. Primary Sampling Unit Number <u>45</u> | 3. Vehicle Number <u>02</u> |
| 2. Case Number - Stratum <u>121F</u> | |

VEHICLE IDENTIFICATION

| | |
|-------------------------------------|---------------------------------------|
| VIN <u>1FABP33SXHK</u> | Model Year <u>1987</u> |
| Vehicle Make (specify): <u>FORD</u> | Vehicle Model (specify): <u>TEMPO</u> |

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line or bumper corner for end impacts or an undamaged axle for side impacts.

| Specific Impact No. | Location of Direct Damage | Location of Field L |
|---------------------|----------------------------|---------------------|
| 1 | BEGIN 54" FROM R.R. CORNER | ENTIRE REAR BUMPER |
| 2 | ENTIRE FRONT BUMPER | ENTIRE FRONT BUMPER |

CRUSH PROFILE

NOTES: Identify the plane at which the C-measurements are taken (e.g., at bumper, above bumper, at sill, above sill, etc.) and label adjustments (e.g., free space).

Measure and document on the vehicle diagram the location of maximum crush.

Measure C₁ to C₆ from driver to passenger side in front or rear impacts and rear to front in side impacts.

Free space value is defined as the distance between the baseline and the original body contour taken at the individual C locations. This may include the following: bumper lead, bumper taper, side protrusion, side taper, etc. Record the value for each C-measurement and maximum crush.

Use as many lines/columns as necessary to describe each damage profile.

| Specific Impact Number | Plane of C-Measurements | Direct Damage | | Field L | C ₁ | C ₂ | C ₃ | C ₄ | C ₅ | C ₆ | ±D |
|------------------------|-------------------------|---------------|-----------|---------|----------------|----------------|----------------|----------------|----------------|----------------|----|
| | | Width (CDC) | Max Crush | | | | | | | | |
| 1 | REAR BUMPER | 57.0 | | 57.5 | 21.5 | 22.0 | 17.7 | 13.5 | 10.0 | 7.0 | 0 |
| 1 | FREE SPACE | | | | 1.7 | .3 | .1 | .1 | .3 | 1.7 | 0 |
| 1 | C-MEA | | 25.8 | | 25.8 | 21.7 | 17.6 | 13.4 | 9.7 | 5.3 | 0 |
| 2 | FRONT BUMPER | | | 56.0 | 5.4 | 4.0 | 2.9 | 2.8 | 3.5 | 3.5 | 0 |
| 2 | FREE SPACE | | | | 3.8 | 1.0 | .4 | .4 | 1.0 | 3.8 | 0 |
| 2 | C-MEA | | | | 1.6 | 3.0 | 2.5 | 2.4 | 2.5 | 0 | 0 |
| 2 | ABOVE TRAIL | | | 56.0 | 15.2 | 17.4 | 16.7 | 17.0 | 18.0 | 15.0 | 0 |
| 2 | FREE SPACE | | | | 11.8 | 9.0 | 8.4 | 8.4 | 9.0 | 11.8 | 0 |
| 2 | C-MEA | | | | 3.4 | 8.4 | 8.3 | 8.6 | 9.0 | 3.2 | 0 |
| 2 | AVG C-MEA | | 5.8 | 56.0 | 1.6 | 5.7 | 5.4 | 5.5 | 5.8 | 3.8 | 0 |

UNABLE TO SHOW SLIDES TO GRILL DUE TO OTHER VEHICLE MEASUREMENTS DONE BY HAND, HOWEVER, THEY ARE ACCURATE

VEHICLE DAMAGE SKETCH

TIRE—WHEEL DAMAGE

a. Rotation physically restricted b. Tire deflated

RF 2RF 2LF 2LF 2RR +RR 1LR +LR 2

(1) Yes (2) No (8) NA (9) Unk.

ORIGINAL SPECIFICATIONS

Wheelbase 99.9Overall Length 176.5Maximum Width 66.3Curb Weight 2462Average Track 52.5Front Overhang 21.0Rear Overhang 21.0Engine Size: cyl./ displ. 2.3L 4CYLUndeformed End Width 57.0 F / 61.0 R

WHEEL STEER ANGLES

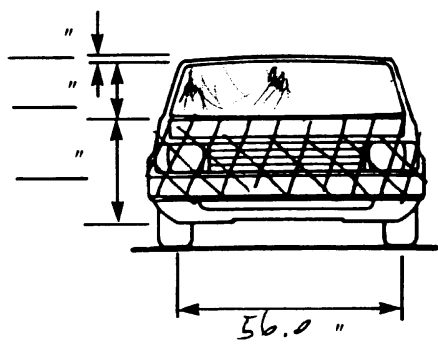
(For locked front wheels or displaced rear axles only)

RF \pm °LF \pm °RR \pm 0.0°LR \pm 4.5°Within ± 5 degrees

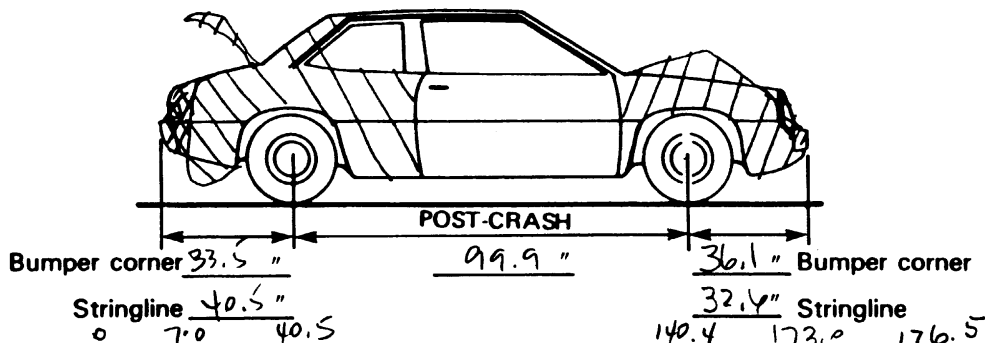
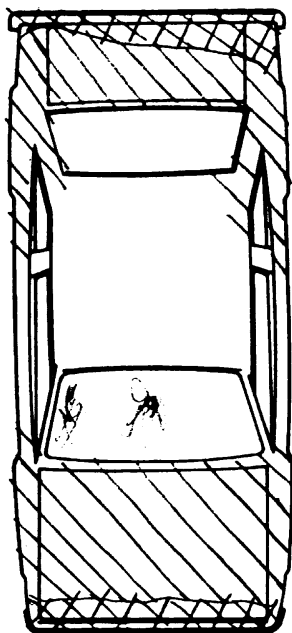
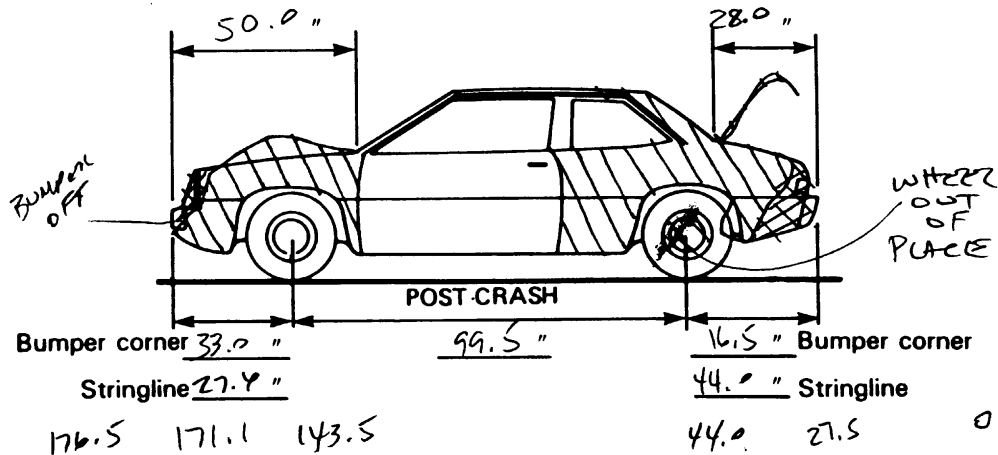
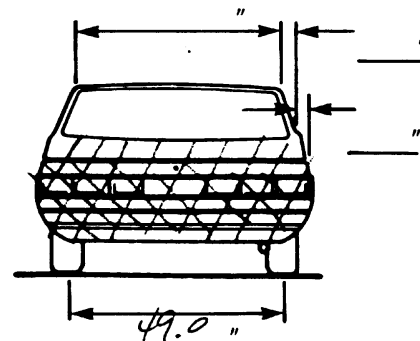
DRIVE WHEELS

☒ FWD ☐ RWD ☐ 4WD

TYPE OF TRANSMISSION

☐ Manual ☒ AutomaticApproximate Cargo Weight 0

Bumper height



NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewall, etc.). If pulling trailer, sketch type of trailer and damage received on the back of this page.

Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

CODES FOR OBJECT CONTACTED

(99) Unknown event or object

[illegible]

INTERIOR VEHICLE FORM

1. Primary Sampling Unit Number

45

2. Case Number – Stratum

1 2 1 F

3. Vehicle Number

02

INTEGRITY

4. Passenger Compartment Integrity

06

(00) No integrity loss

Yes, Integrity Was Lost Through

(01) Windshield

(02) Door (side)

(03) Door/hatch (rear)

(04) Roof

(05) Roof glass

(06) Side window

(07) Rear window

(08) Roof and roof glass

(09) Windshield and door (side)

(10) Windshield and roof

(11) Side and rear window

(98) Other combination of above (specify):

(99) Unknown

Door, Tailgate Or Hatch Opening

5. LF 1 6. RF 1 7. LR 0 8. RR 0 9. TG/H 0

(0) No door/gate/hatch

(1) Door/gate/hatch remained closed and operational

(2) Door/gate/hatch came open during collision

(3) Door/gate/hatch jammed shut

(8) Other (specify):

(9) Unknown

Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09 ≠ 2, Then Code 0.

10. LF 0 11. RF 0 12. LR 0 13. RR 0 14. TG/H 0

(0) No door/gate/hatch or door not opened

Door, Tailgate, or Hatch Came Open During Collision

(1) Door operational (no damage)

(2) Latch/striker failure due to damage

(3) Hinge failure due to damage

(4) Door structure failure due to damage

(5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage

(6) Latch/striker and hinge failure due to damage

(8) Other failure (specify):

(9) Unknown

GLAZING

Glazing Damage from Impact Forces

15. WS 2 16. LF 0 17. RF 0 18. LR 4 19. RR 0

20. BL 0 21. Roof 8 22. Other 8

(0) No glazing damage from impact forces

(2) Glazing in place and cracked from impact forces

(3) Glazing in place and holed from impact forces

(4) Glazing out-of-place (cracked or not) and not holed from impact forces

(5) Glazing out-of-place and holed from impact forces

(6) Glazing disintegrated from impact forces

(7) Glazing removed prior to accident

(8) No glazing

(9) Unknown if damaged

Glazing Damage from Occupant Contact

23. WS 2 24. LF 0 25. RF 0 26. LR 0 27. RR 0

28. BL 0 29. Roof 0 30. Other 0

(0) No occupant contact to glazing or no glazing

(1) Glazing contacted by occupant but no glazing damage

(2) Glazing in place and cracked by occupant contact

(3) Glazing in place and holed by occupant contact

(4) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact

(5) Glazing out-of-place by occupant contact and holed by occupant contact

(6) Glazing disintegrated by occupant contact

(9) Unknown if contacted by occupant

If No Glazing Damage **And** No Occupant Contact or No Glazing, Then Code IV 31 Through IV 46 As 0

Type of Window/Windshield Glazing

31. WS 0 32. LF 0 33. RF 0 34. LR 2 35. RR 0

36. BL 0 37. Roof 0 38. Other 0

(0) No glazing contact and no damage, or no glazing

(1) AS-1 – Laminated

(2) AS-2 – Tempered

(3) AS-3 – Tempered-tinted

(4) AS-14 – Glass/Plastic

(8) Other (specify):

(9) Unknown

Window Precrash Glazing Status

39. WS 1 40. LF 0 41. RF 0 42. LR 1 43. RR 0

44. BL 0 45. Roof 0 46. Other 0

(0) No glazing contact and no damage, or no glazing

(1) Fixed

(2) Closed

(3) Partially opened

(4) Fully opened

(9) Unknown

INTRUSION WORK SHEET

TOP VIEW

Longitudinal

Lateral

Lateral

Longitudinal

LEFT SIDE VIEW

Vertical

Longitudinal

Longitudinal

RIGHT SIDE VIEW

Vertical

Longitudinal

Longitudinal

Vertical

Note: Sketch intruded areas

| LOCATION OF INTRUSION | INTRUDED COMPONENT | COMPARISON VALUE | - | INTRUDED VALUE | = | INTRUSION | DOMINANT CRUSH DIRECTION |
|-----------------------|--------------------|------------------|---|----------------|---|-----------|--------------------------|
| 21 | 19) SEAT BACK | 6.0 | - | 17.0 | = | 11.0 | 2 |
| 23 | 19) " " | 6.0 | - | 20.0 | = | 14.0 | 2 |
| 22 | 19) " " | 6.0 | - | 20.0 | = | 14.0 | 2 |
| 21 | 20) " " | 0 | - | 4.5 | = | 4.5 | 2 |
| 22 | 20) " " | 0 | - | 4.5 | = | 4.5 | 2 |
| 23 | 20) " " | 0 | - | 4.5 | = | 4.5 | 2 |
| 11 | 24) CUSHION | 8.0 | - | 11.5 | = | 3.5 | 1 |
| 13 | 24) " " | 8.0 | - | 8.0 | = | 0 | 1 |
| 11 | 02) INS. LEFT | 0 | - | .8 | = | .8 | 2 |
| | | | - | | = | | |
| | | | - | | = | | |
| | | | - | | = | | |
| | | | - | | = | | |
| | | | - | | = | | |
| | | | - | | = | | |

3
1
2
4
5
6
7

OCCUPANT AREA INTRUSION

Note: If no intrusions, leave variables IV 47-IV 86 blank.

INTRUDING COMPONENT

Interior Components

- (01) Steering assembly
- (02) Instrument panel left
- (03) Instrument panel center
- (04) Instrument panel right
- (05) Toe pan
- (06) A-pillar
- (07) B-pillar
- (08) C-pillar
- (09) D-pillar
- (10) Door panel
- (12) Roof (or convertible top)
- (13) Roof side rail
- (14) Windshield
- (15) Windshield header
- (16) Window frame
- (17) Floor pan
- (18) Backlight header
- (19) Front seat back
- (20) Second seat back
- (21) Third seat back
- (22) Fourth seat back
- (23) Fifth seat back
- (24) Seat cushion
- (25) Back panel or door surface
- (26) Other interior component (specify):

- (27) Side panel - forward of the A-pillar
- (28) Side panel - rear of the A-pillar

Exterior Components

- (30) Hood
- (31) Outside surface of vehicle (specify):
- (32) Other exterior object in the environment (specify):
- (33) Unknown exterior object
- (98) Intrusion of unlisted component(s) (specify):
- (99) Unknown

MAGNITUDE OF INTRUSION

- (1) ≥ 1 inch but < 3 inches
- (2) ≥ 3 inches but < 6 inches
- (3) ≥ 6 inches but < 12 inches
- (4) ≥ 12 inches but < 18 inches
- (5) ≥ 18 inches but < 24 inches
- (6) ≥ 24 inches
- (9) Unknown

DOMINANT CRUSH DIRECTION

- (1) Vertical
- (2) Longitudinal
- (3) Lateral
- (9) Unknown

| | Location of Intrusion | Intruding Component | Magnitude of Intrusion | Dominant Crush Direction |
|------|-----------------------|---------------------|------------------------|--------------------------|
| 1st | 47. 23 | 48. 19 | 49. 4 | 50. 2 |
| 2nd | 51. 22 | 52. 19 | 53. 4 | 54. 2 |
| 3rd | 55. 21 | 56. 19 | 57. 3 | 58. 2 |
| 4th | 59. 21 | 60. 20 | 61. 2 | 62. 2 |
| 5th | 63. 22 | 64. 20 | 65. 2 | 66. 2 |
| 6th | 67. 23 | 68. 20 | 69. 2 | 70. 2 |
| 7th | 71. 11 | 72. 24 | 73. 2 | 74. 1 |
| 8th | 75. _____ | 76. _____ | 77. _____ | 78. _____ |
| 9th | 79. _____ | 80. _____ | 81. _____ | 82. _____ |
| 10th | 83. _____ | 84. _____ | 85. _____ | 86. _____ |

LOCATION OF INTRUSION

Front Seat

- (11) Left
- (12) Middle
- (13) Right

Second Seat

- (21) Left
- (22) Middle
- (23) Right

Third Seat

- (31) Left
- (32) Middle
- (33) Right

Fourth Seat

- (41) Left
- (42) Middle
- (43) Right

(98) Other enclosed area (specify):

(99) Unknown

STEERING COLUMN WORKING DIAGRAMS

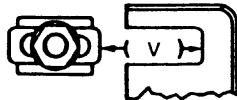
STEERING COLUMN COLLAPSE

Steering Column Shear Module Movement



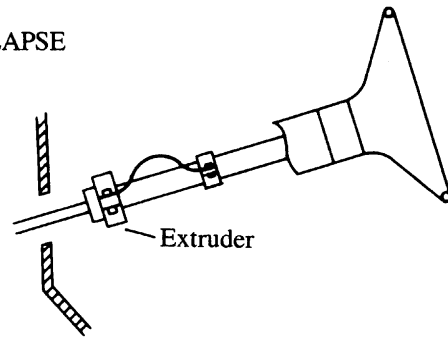
SHEAR CAPSULE

Left ____



Right ____ V = ____"

Direction and Magnitude of Steering Column Movement



Extruder

After Compression

Flare Tube

Possible Remaining Starter Grooves At 6 and 12 o'clock

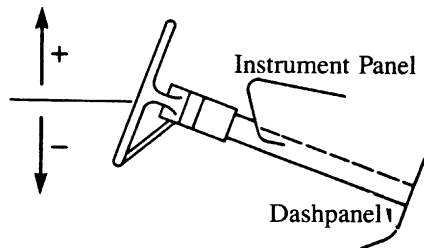
Extruder

Compression = Measurement A

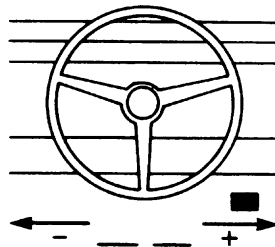
A = ____

STEERING COLUMN MOVEMENT

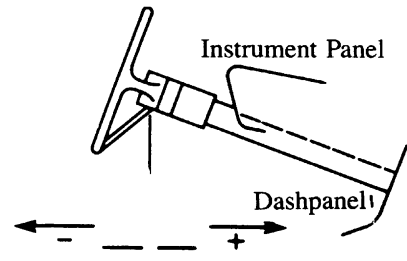
Vertical Movement



Lateral Movement



Longitudinal Movement



| | COMPARISON VALUE | — | DAMAGED VALUE | = | MOVEMENT |
|--------------|------------------|---|---------------|---|----------|
| VERTICAL | | — | | = | |
| LATERAL | | — | | = | |
| LONGITUDINAL | | — | | = | |

STEERING RIM/SPOKE DEFORMATION

| COMPARISON VALUE | — | DAMAGED VALUE | = | DEFORMATION |
|------------------|---|---------------|---|-------------|
| | — | | = | |
| | — | | = | |

STEERING COLUMN**87. Steering Column Type**1

- (1) Fixed column
 (2) Tilt column
 (3) Telescoping column
 (4) Tilt and telescoping column
 (8) Other column type (specify):

(9) Unknown

If PDOF \neq 11, 12 or 1, Then Code IV88-IV91 As 96**88. Steering Column Collapse Due to Occupant Loading**96

_____ Code actual measured movement to the nearest inch. See coding manual for measurement technique(s).

(00) No movement, compression, or collapse

- (01-49) Actual measured value
 (50) 50 inches or greater

Estimated movement from observation

- (81) Less than 1 inch
 (82) \geq 1 inch but $<$ 2 inches
 (83) \geq 2 inches but $<$ 4 inches
 (84) \geq 4 inches but $<$ 6 inches
 (85) \geq 6 inches but $<$ 8 inches
 (86) Greater than or equal to 8 inches
 (96) Not assessed (PDOF \neq 11, 12, 1)
 (97) Apparent movement, value undetermined or cannot be measured or estimated
 (98) Nonspecified type column
 (99) Unknown

Direction And Magnitude of Steering Column Movement*SECONDARY***89. Vertical Movement**00 + 96**90. Lateral Movement**00 + 96**91. Longitudinal Movement**00 + 96

Code the actual measured movement to the nearest inch. See Coding Manual for measurement technique(s)

- (+00) No Steering column movement
 (\pm 01 – \pm 49) Actual measured value
 (\pm 50) 50 inches or greater

Estimated movement from observation

- (\pm 81) \geq 1 inch but $<$ 3 inches
 (\pm 82) \geq 3 inches but $<$ 6 inches
 (\pm 83) \geq 6 inches but $<$ 12 inches
 (\pm 84) \geq 12 inches

- (96) Not assessed (PDOF \neq 11, 12, 1)
 (97) Apparent movement $>$ 1 inch but cannot be measured or estimated
 (99) Unknown

92. Steering Rim/Spoke Deformation0

_____ Code actual measured deformation to the nearest inch.

- (0) No steering rim deformation
 (1-5) Actual measured value
 (6) 6 inches or more
 (8) Observed deformation cannot be measured
 (9) Unknown

93. Location of Steering Rim/Spoke Deformation00

(00) No steering rim deformation

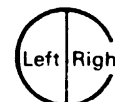
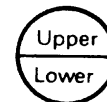
Quarter Sections

- (01) Section A
 (02) Section B
 (03) Section C
 (04) Section D



Half Sections

- (05) Upper half of rim/spoke
 (06) Lower half of rim/spoke
 (07) Left half of rim/spoke
 (08) Right half of rim/spoke



- (09) Complete steering wheel collapse
 (10) Undetermined location
 (99) Unknown

INSTRUMENT PANEL**94. Odometer Reading**045,000

44634 miles – Code mileage to the nearest 1,000 miles

- (000) No odometer
 (001) Less than 1,500 miles
 (300) 299,500 miles or more
 (999) Unknown

Source: _____

95. Instrument Panel Damage from Occupant Contact1

- (0) No
 (1) Yes
 (9) Unknown

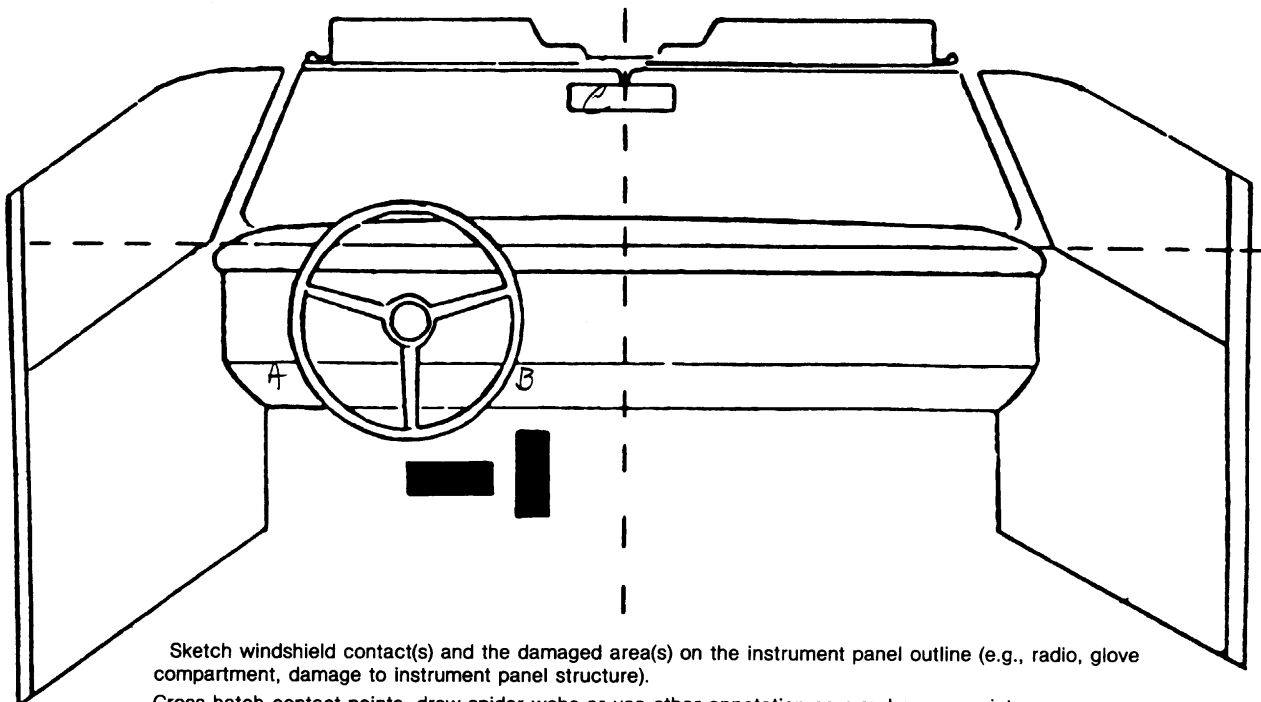
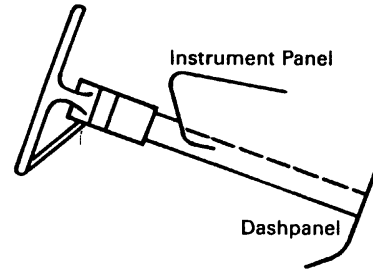
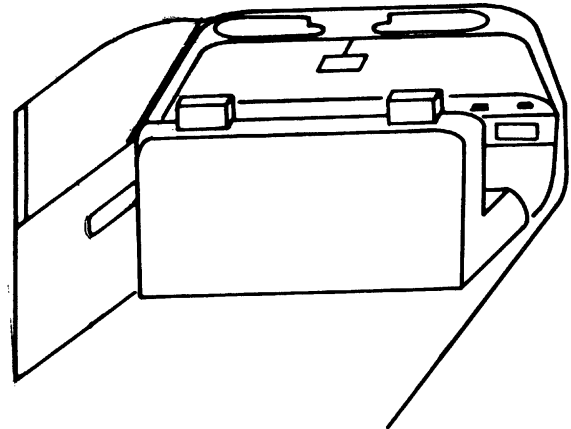
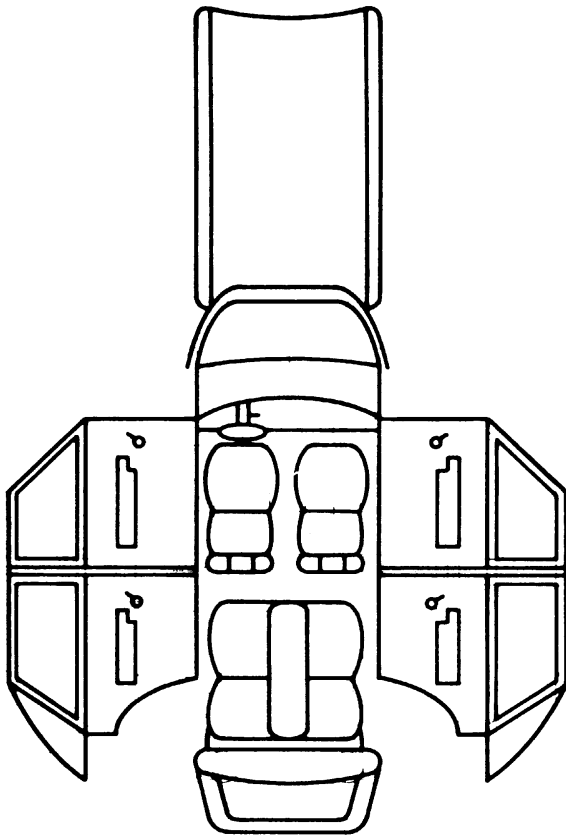
96. Knee Bolsters Deformed from Occupant Contact0

- (0) No
 (1) Yes
 (8) Not present
 (9) Unknown

97. Did Glove Compartment Door Open During Collision(s)0

- (0) No
 (1) Yes
 (8) Not present
 (9) Unknown

VEHICLE INTERIOR SKETCHES



Sketch windshield contact(s) and the damaged area(s) on the instrument panel outline (e.g., radio, glove compartment, damage to instrument panel structure).

Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.

Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

POINTS OF OCCUPANT CONTACT

| Contact | Interior Component Contacted | Occupant No. If Known | Body Region If Known | Supporting Physical Evidence | Confidence Level of Contact Point |
|---------|------------------------------|-----------------------|----------------------|------------------------------|-----------------------------------|
| A | 09 | 1 | L. KNEE | SMUDGES | 2 |
| B | 10 | 1 | R. KNEE | " | 2 |
| C | 02 | 1 | HEAD | BROKEN OFF | 2 |
| D | | | | | |
| E | | | | | |
| F | | | | | |
| G | | | | | |
| H | | | | | |
| I | | | | | |
| J | | | | | |
| K | | | | | |
| L | | | | | |
| M | | | | | |
| N | | | | | |

CODES FOR INTERIOR COMPONENTS

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A-pillar, instrument panel, or mirror (passenger side only)
- (16) Other front object (specify): _____

LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A pillar
- (23) Left B pillar
- (24) Other left pillar (specify): _____
- (25) Left side window glass or frame

- (26) Left side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail
- (27) Other left side object (specify): _____

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A pillar
- (33) Right B pillar
- (34) Other right pillar (specify): _____
- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail
- (37) Other right side object (specify): _____

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify): _____
- (44) Head restraint system
- (45) Air cushion
- (46) Other occupants (specify): _____
- (47) Interior loose objects

- (48) Child safety seat (specify): _____

- (49) Other interior object (specify): _____

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor including toe pan
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

- (60) Backlight (rear window)
- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): _____

CONFIDENCE LEVEL OF CONTACT POINT

- (1) Certain
- (2) Probable
- (3) Possible
- (4) Unknown

AUTOMATIC RESTRAINTS

NOTES: Encode the data for each applicable front seat position. The attributes for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

| | | Left | Center | Right |
|-----------------------|--------------|------|--------|-------|
| F I R S T | Availability | | | |
| | Function | | | |
| | Failure | | | |

Automatic (Passive) Restraint System Availability

- (0) Not equipped/not available
- (1) Airbag
- (2) Airbag disconnected (specify): _____
- (3) Airbag not reinstalled
- (4) 2 point automatic belts
- (5) 3 point automatic belts
- (6) Automatic belts destroyed or rendered inoperative
- (9) Unknown

Automatic (Passive) Restraint Function

- (0) Not equipped/not available

Automatic Belt

- (1) Automatic belt in use
- (2) Automatic belt not in use
- (3) Automatic belt use unknown

Air Bag

- (4) Airbag deployed during accident
- (5) Airbag deployed inadvertently just prior to accident
- (6) Deployed, accident sequence undetermined
- (7) Nondeployed
- (8) Unknown if deployed
- (9) Unknown

Did Automatic (Passive) Restraint Fail

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify): _____
- (9) Unknown

MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attributes for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

If a child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous page.

| | | Left | Center | Right |
|--------|---------------|------|--------|-------|
| FIRST | Availability | 4 | 0 | 4 |
| | Use | 00 | 00 | 00 |
| | Failure Modes | 0 | 0 | 0 |
| SECOND | Availability | 3 | 3 | 3 |
| | Use | 00 | 00 | 00 |
| | Failure Modes | 0 | 0 | 0 |
| THIRD | Availability | | | |
| | Use | | | |
| | Failure Modes | | | |
| OTHER | Availability | | | |
| | Use | | | |
| | Failure Modes | | | |

Manual (Active) Belt System Availability

- (0) Not available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available – type unknown
- (8) Other belt (specify):

(9) Unknown

Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperative (specify):

- (02) Shoulder belt
- (03) Lap belt
- (04) Lap and shoulder belt
- (05) Belt used – type unknown

(08) Other belt used (specify):

- (12) Shoulder belt used with child safety seat
- (13) Lap belt used with child safety seat
- (14) Lap and shoulder belt used with child safety seat
- (15) Belt used with child safety seat – type unknown
- (18) Other belt used with child safety seat (specify):

(99) Unknown if belt used

Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Manual belt failure(s) (encode all that apply above)
 - [A] Torn webbing (stretched webbing not included)
 - [B] Broken buckle or latchplate
 - [C] Upper anchorage separated
 - [D] Other anchorage separated (specify):

- [E] Broken retractor
- [F] Other manual belt failure (specify):

(9) Unknown

CHILD SAFETY SEAT FIELD ASSESSMENT

When a child safety seat is present enter the occupant's number in the first row and complete the column below the occupant's number using the codes listed below. Complete a column for each child safety seat present.

| | | | | | | |
|------------------------------------|--|--|--|--|--|--|
| Occupant Number | | | | | | |
| 1. Type of Child Safety Seat | | | | | | |
| 2. Child Safety Seat Orientation | | | | | | |
| 3. Child Safety Seat Harness Usage | | | | | | |
| 4. Child Safety Seat Shield Usage | | | | | | |
| 5. Child Safety Seat Tether Usage | | | | | | |
| 6. Child Safety Seat Make/Model | Specify Below for Each Child Safety Seat | | | | | |

1. Type of Child Safety Seat

- (0) No child safety seat
- (1) Infant seat
- (2) Toddler seat
- (3) Convertible seat
- (4) Booster seat
- (7) Other type child safety seat (specify):

- (8) Unknown child safety seat type
- (9) Unknown if child safety seat used

2. Child Safety Seat Orientation

- (00) No child safety seat
- Designed for Rear Facing for This Age/Weight
- (01) Rear facing
- (02) Forward facing
- (03) Other orientation (specify):

- (04) Unknown orientation
- Designed for Forward Facing for This Age/Weight
- (11) Rear facing
- (12) Forward facing
- (18) Other orientation (specify):

- (19) Unknown orientation

- Unknown Design or Orientation for This Age/Weight, or Unknown Age/Weight
- (21) Rear facing
- (22) Forward facing
- (28) Other orientation (specify):

- (29) Unknown orientation

- (99) Unknown if child safety seat used

3. Child Safety Seat Harness Usage

4. Child Safety Seat Shield Usage

5. Child Safety Seat Tether Usage

Note: Options Below Are Used for Variables 3-5.

(00) No child safety seat

Not Designed with Harness/Shield/Tether

(01) After market harness/shield/tether added, not used

(02) After market harness/shield/tether used

(03) Child safety seat used, but no after market harness/shield/tether added

(09) Unknown if harness/shield/tether added or used

Designed with Harness/Shield/Tether

(11) Harness/shield/tether not used

(12) Harness/shield/tether used

(19) Unknown if harness/shield/tether used

Unknown if Designed with Harness/Shield/Tether

(21) Harness/shield/tether not used

(22) Harness/shield/tether used

(29) Unknown if harness/shield/tether used

(99) Unknown if child safety seat used

6. Child Safety Seat Make/Model

(Specify make/model and occupant number)

HEAD RESTRAINTS/SEAT EVALUATION

NOTES: Encode the applicable data for **each seat position** in the vehicle. The attributes for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

| | | Left | Center | Right |
|--------|----------------------------|----------|--------|-------|
| FIRST | Head Restraint Type/Damage | 3 | 0 | 3 |
| | Seat Type | 02 | 00 | 02 |
| | Seat Performance | 2C 1/2 B | 0 | 2B |
| SECOND | Head Restraint Type/Damage | 0 | 0 | 0 |
| | Seat Type | 03 | 03 | 03 |
| | Seat Performance | 2G | 2G | 2G |
| THIRD | Head Restraint Type/Damage | | | |
| | Seat Type | | | |
| | Seat Performance | | | |
| OTHER | Head Restraint Type/Damage | | | |
| | Seat Type | | | |
| | Seat Performance | | | |

Head Restraint Type/Damage by Occupant at This Occupant Position

- (0) No head restraints
- (1) Integral – no damage
- (2) Integral – damaged during accident
- (3) Adjustable – no damage
- (4) Adjustable – damaged during accident
- (5) Add-on – no damage
- (6) Add-on – damaged during accident
- (8) Other (specify): _____
- (9) Unknown

Seat Type (This Occupant Position)

- (00) No seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., van type)
- (09) Other seat type (specify): _____
- (99) Unknown

Seat Performance (This Occupant Position)

- (0) No seat
- (1) No seat performance failure(s)
- (2) Seat performance failure(s)
(Encode all that apply)
- [A] Seat adjusters failed
- [B] Seat back folding locks failed
- [C] Seat tracks failed
- [D] Seat anchors failed
- [E] Deformed by impact of passenger from rear
- [F] Deformed by impact of passenger from front
- [G] Deformed by own inertial forces
- [H] Deformed by passenger compartment intrusion (specify): _____

[I] Other (specify): _____

(9) Unknown

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E. UNUSUAL OCCUPANT CONTACT PATTERN)

| |
|--|
| |
| |
| |
| |

EJECTION/ENTRAPMENT DATA

Complete the following if the researcher has any indications that an occupant was either ejected from or entrapped in the vehicle. Code the appropriate data on the Occupant Assessment Form.

EJECTION No [☒] Yes []

Describe indications of ejection and body parts involved in partial ejection(s):

| | | | | | | |
|-----------------|--|--|--|--|--|--|
| Occupant Number | | | | | | |
| Ejection | | | | | | |
| Ejection Area | | | | | | |
| Ejection Medium | | | | | | |
| Medium Status | | | | | | |

Ejection

- (1) Complete ejection
- (2) Partial ejection
- (3) Ejection, unknown degree
- (9) Unknown

Ejection Area

- (1) Windshield
- (2) Left front
- (3) Right front
- (4) Left rear
- (5) Right rear
- (6) Rear

(7) Roof

(8) Other area (e.g., back of pickup, etc.) (specify):

(9) Unknown

Ejection Medium

- (1) Door/hatch/tailgate
- (2) Nonfixed roof structure
- (3) Fixed glazing
- (4) Nonfixed glazing (specify):

(5) Integral structure

(8) Other medium (specify):

(9) Unknown

Medium Status (Immediately Prior to Impact)

- (1) Open
- (2) Closed
- (3) Integral structure
- (9) Unknown

ENTRAPMENT No [☒] Yes []

Describe entrapment mechanism: _____

Component(s): _____

(Note in vehicle interior diagram)

PSU NUMBER

45

CASE NUMBER

121F

VEHICLE NUMBER

02

OCCUPANT NUMBER

01

OCCUPANT INJURY FORM

THE FOLLOWING DATA IS NOT INCLUDED IN THIS CASE:

☒ ENTIRE FORM

☐ PAGE NUMBER (S) _____



DN6

U.S. Department of Transportation
National Highway Traffic Safety
Administration

UPDATE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

45

2. Case Number — Stratum

12 1F

3. Vehicle Number

02

4. Occupant Number

01

Driver or Occupant Name

Address

Other Information:

RECEIVED 1989

(Sanitize this section prior to Update submission.)

INJURY DATA CODED ON INITIAL SUBMISSION

| | | O.I.C. — A.I.S. | | | | | | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area | |
|------|-----------------------------|-----------------|----------|----------|-----------------|--------------------|------------------|---|-------------------------------|---------------|-----|
| | Source of Injury Data | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | Injury Source | | | Intrusion | No. |
| 1st | 5. ____ | 6. ____ | 7. ____ | 8. ____ | 9. ____ | 10. ____ | 11. ____ | 12. ____ | 13. ____ | 14. ____ | |
| 2nd | 15. ____ | 16. ____ | 17. ____ | 18. ____ | 19. ____ | 20. ____ | 21. ____ | 22. ____ | 23. ____ | 24. ____ | |
| 3rd | 25. ____ | 26. ____ | 27. ____ | 28. ____ | 29. ____ | 30. ____ | 31. ____ | 32. ____ | 33. ____ | 34. ____ | |
| 4th | 35. ____ | 36. ____ | 37. ____ | 38. ____ | 39. ____ | 40. ____ | 41. ____ | 42. ____ | 43. ____ | 44. ____ | |
| 5th | 45. ____ | 46. ____ | 47. ____ | 48. ____ | 49. ____ | 50. ____ | 51. ____ | 52. ____ | 53. ____ | 54. ____ | |
| 6th | 55. ____ | 56. ____ | 57. ____ | 58. ____ | 59. ____ | 60. ____ | 61. ____ | 62. ____ | 63. ____ | 64. ____ | |
| 7th | 65. ____ | 66. ____ | 67. ____ | 68. ____ | 69. ____ | 70. ____ | 71. ____ | 72. ____ | 73. ____ | 74. ____ | |
| 8th | 75. ____ | 76. ____ | 77. ____ | 78. ____ | 79. ____ | 80. ____ | 81. ____ | 82. ____ | 83. ____ | 84. ____ | |
| 9th | 85. ____ | 86. ____ | 87. ____ | 88. ____ | 89. ____ | 90. ____ | 91. ____ | 92. ____ | 93. ____ | 94. ____ | |
| 10th | 95. ____ | 96. ____ | 97. ____ | 98. ____ | 99. ____ | 100. ____ | 101. ____ | 102. ____ | 103. ____ | 104. ____ | |

NOTE: If necessary, keep copy of original Occupant Injury form and submit as part of update.

UPDATED CASE INFORMATION

| | INITIAL | | | INITIAL | |
|---|------------|------------|--|------------|-----------|
| | SUBMISSION | FINAL | | SUBMISSION | FINAL |
| GV12. Alcohol Test Results for Driver | <u>96</u> | <u>96</u> | OA35. Treatment — Mortality | <u>4</u> | <u>4</u> |
| OA05. Occupant's Age | <u>37</u> | <u>37</u> | OA36. Type of Medical Facility (for Initial Treatment) | <u>1</u> | <u>1</u> |
| OA06. Occupant's Sex | <u>1</u> | <u>1</u> | OA37. Hospital Stay | <u>00</u> | <u>00</u> |
| OA07. Occupant's Height | <u>65</u> | <u>65</u> | OA38. Working Days Lost | <u>99</u> | <u>99</u> |
| OA08. Occupant's Weight | <u>140</u> | <u>140</u> | OA39. Time to Death | <u>00</u> | <u>00</u> |
| OA17. Manual (Active) Belt System Availability | <u>4</u> | <u>4</u> | OA40. 1st Medically Reported Cause of Death | <u>00</u> | <u>00</u> |
| OA18. Manual (Active) Belt System Use | <u>00</u> | <u>00</u> | OA41. 2nd Medically Reported Cause of Death | <u>00</u> | <u>00</u> |
| OA21. Automatic (Passive) Restraint System Availability | <u>0</u> | <u>0</u> | OA42. 3rd Medically Reported Cause of Death | <u>00</u> | <u>00</u> |
| OA22. Automatic (Passive) Restraint Function | <u>0</u> | <u>0</u> | OA43. Number of Recorded Injuries for This Occupant | <u>97</u> | <u>02</u> |

INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the unofficial and official sources prior to initial case submission **and from subsequently** acquired medical data. Remember not to double count an injury just because it was identified from two different sources.

| | Source of Injury Data | O.I.C. – A.I.S. | | | | | Injury Source | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|------|-----------------------------|-----------------|--------------|--------------|-----------------|--------------------|------------------|---|-------------------------------|--------------------------------|
| | | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | | | | |
| 1st | 5. <u>3</u> | 6. <u>F</u> | 7. <u>R</u> | 8. <u>L</u> | 9. <u>I</u> | 10. <u>1</u> | 11. <u>01</u> | 12. <u>3</u> | 13. <u>1</u> | 14. <u>00</u> |
| 2nd | 15. <u>3</u> | 16. <u>C</u> | 17. <u>L</u> | 18. <u>C</u> | 19. <u>I</u> | 20. <u>1</u> | 21. <u>04</u> | 22. <u>3</u> | 23. <u>1</u> | 24. <u>00</u> |
| 3rd | 25. <u>7</u> | 26. <u>H</u> | 27. <u>W</u> | 28. <u>K</u> | 29. <u>B</u> | 30. <u>1</u> | 31. <u>01</u> | 32. <u>3</u> | 33. <u>1</u> | 34. <u>00</u> |
| 4th | 35. <u>3</u> | 36. <u>F</u> | 37. <u>R</u> | 38. <u>L</u> | 39. <u>O</u> | 40. <u>1</u> | 41. <u>01</u> | 42. <u>3</u> | 43. <u>1</u> | 44. <u>00</u> |
| 5th | 45. ____ | 46. ____ | 47. ____ | 48. ____ | 49. ____ | 50. ____ | 51. ____ | 52. ____ | 53. ____ | 54. ____ |
| 6th | 55. ____ | 56. ____ | 57. ____ | 58. ____ | 59. ____ | 60. ____ | 61. ____ | 62. ____ | 63. ____ | 64. ____ |
| 7th | 65. ____ | 66. ____ | 67. ____ | 68. ____ | 69. ____ | 70. ____ | 71. ____ | 72. ____ | 73. ____ | 74. ____ |
| 8th | 75. ____ | 76. ____ | 77. ____ | 78. ____ | 79. ____ | 80. ____ | 81. ____ | 82. ____ | 83. ____ | 84. ____ |
| 9th | 85. ____ | 86. ____ | 87. ____ | 88. ____ | 89. ____ | 90. ____ | 91. ____ | 92. ____ | 93. ____ | 94. ____ |
| 10th | 95. ____ | 96. ____ | 97. ____ | 98. ____ | 99. ____ | 100. ____ | 101. ____ | 102. ____ | 103. ____ | 104. ____ |
| 11th | 105. ____ | 106. ____ | 107. ____ | 108. ____ | 109. ____ | 110. ____ | 111. ____ | 112. ____ | 113. ____ | 114. ____ |
| 12th | 115. ____ | 116. ____ | 117. ____ | 118. ____ | 119. ____ | 120. ____ | 121. ____ | 122. ____ | 123. ____ | 124. ____ |
| 13th | 125. ____ | 126. ____ | 127. ____ | 128. ____ | 129. ____ | 130. ____ | 131. ____ | 132. ____ | 133. ____ | 134. ____ |
| 14th | 135. ____ | 136. ____ | 137. ____ | 138. ____ | 139. ____ | 140. ____ | 141. ____ | 142. ____ | 143. ____ | 144. ____ |
| 15th | 145. ____ | 146. ____ | 147. ____ | 148. ____ | 149. ____ | 150. ____ | 151. ____ | 152. ____ | 153. ____ | 154. ____ |
| 16th | 155. ____ | 156. ____ | 157. ____ | 158. ____ | 159. ____ | 160. ____ | 161. ____ | 162. ____ | 163. ____ | 164. ____ |
| 17th | 165. ____ | 166. ____ | 167. ____ | 168. ____ | 169. ____ | 170. ____ | 171. ____ | 172. ____ | 173. ____ | 174. ____ |
| 18th | 175. ____ | 176. ____ | 177. ____ | 178. ____ | 179. ____ | 180. ____ | 181. ____ | 182. ____ | 183. ____ | 184. ____ |
| 19th | 185. ____ | 186. ____ | 187. ____ | 188. ____ | 189. ____ | 190. ____ | 191. ____ | 192. ____ | 193. ____ | 194. ____ |
| 20th | 195. ____ | 196. ____ | 197. ____ | 198. ____ | 199. ____ | 200. ____ | 201. ____ | 202. ____ | 203. ____ | 204. ____ |

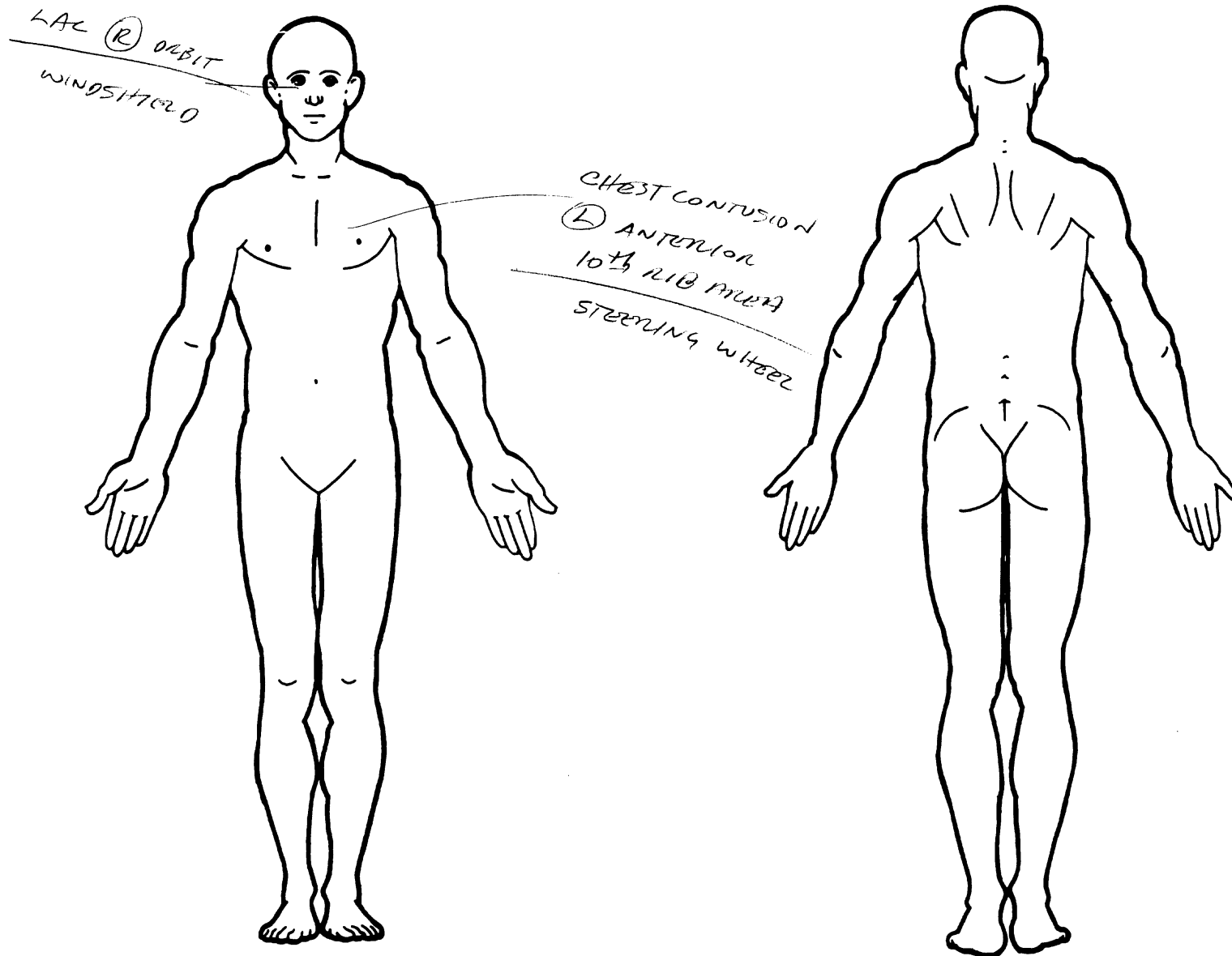
If greater than 20 injuries, code additional on Occupant Injury Data Supplement.

OCCUPANT INJURY DATA SUPPLEMENT

| Source of Injury Data | O.I.C. – A.I.S. | | | | | Injury Source | Injury Source Confidence Level | Direct/ Indirect Injury | Occupant Area Intrusion No. |
|-----------------------------|-----------------|--------|--------|-----------------|--------------------|------------------|---|-------------------------------|--------------------------------|
| | Body Region | Aspect | Lesion | System Organ | A.I.S. Severity | | | | |
| 21st | — | — | — | — | — | — — — | — | — | — — — |
| 22nd | — | — | — | — | — | — — — | — | — | — — — |
| 23rd | — | — | — | — | — | — — — | — | — | — — — |
| 24th | — | — | — | — | — | — — — | — | — | — — — |
| 25th | — | — | — | — | — | — — — | — | — | — — — |
| 26th | — | — | — | — | — | — — — | — | — | — — — |
| 27th | — | — | — | — | — | — — — | — | — | — — — |
| 28th | — | — | — | — | — | — — — | — | — | — — — |
| 29th | — | — | — | — | — | — — — | — | — | — — — |
| 30th | — | — | — | — | — | — — — | — | — | — — — |
| 31st | — | — | — | — | — | — — — | — | — | — — — |
| 32nd | — | — | — | — | — | — — — | — | — | — — — |
| 33rd | — | — | — | — | — | — — — | — | — | — — — |
| 34th | — | — | — | — | — | — — — | — | — | — — — |
| 35th | — | — | — | — | — | — — — | — | — | — — — |
| 36th | — | — | — | — | — | — — — | — | — | — — — |
| 37th | — | — | — | — | — | — — — | — | — | — — — |
| 38th | — | — | — | — | — | — — — | — | — | — — — |
| 39th | — | — | — | — | — | — — — | — | — | — — — |
| 40th | — | — | — | — | — | — — — | — | — | — — — |
| 41st | — | — | — | — | — | — — — | — | — | — — — |
| 42nd | — | — | — | — | — | — — — | — | — | — — — |
| 43rd | — | — | — | — | — | — — — | — | — | — — — |
| 44th | — | — | — | — | — | — — — | — | — | — — — |
| 45th | — | — | — | — | — | — — — | — | — | — — — |

OFFICIAL INJURY DATA—SOFT TISSUE INJURIES

Indicate the *Location, Lesion, Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



SOURCE OF INJURY DATA

OFFICIAL

- (1) Autopsy records with or without hospital medical records
- (2) Hospital medical records other than emergency room (eg. discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): _____

- (9) Police

INJURY SOURCE

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add-on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A-pillar, instrument panel, or mirror (passenger side only)
- (16) Other front object (specify): _____

LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A pillar
- (23) Left B pillar
- (24) Other left pillar (specify): _____
- (25) Left side window glass or frame

- (26) Left side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail
- (27) Other left side object (specify): _____

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A pillar
- (33) Right B pillar
- (34) Other right pillar (specify): _____
- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, roof side rail
- (37) Other right side object (specify): _____

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify): _____

- (44) Head restraint system

- (45) Air cushion
- (46) Other occupants (specify): _____

- (47) Interior loose objects
- (48) Child safety seat (specify): _____

- (49) Other interior object (specify): _____

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor including toe pan
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

- (60) Backlight (rear window)
- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): _____

EXTERIOR OF OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- (67) Other exterior surface or tires (specify): _____

- (68) Unknown exterior objects

EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify): _____

- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify): _____

- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify): _____

- (83) Unknown exterior of other motor vehicle

OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify): _____

- (86) Unknown vehicle or object

NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify): _____

- (97) Injured, unknown source

INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

DIRECT/INDIRECT INJURY

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

OCCUPANT INJURY CLASSIFICATION

O.I.C. Body Region

- (M) Abdomen
- (Q) Ankle-foot
- (A) Arm (upper)
- (B) Back-thoracolumbar spine
- (C) Chest
- (E) Elbow
- (F) Face
- (R) Forearm
- (H) Head-skull
- (U) Injured, unknown region
- (K) Knee
- (L) Leg (lower)
- (Y) Lower limb(s) (whole or unknown part)
- (N) Neck-cervical spine
- (P) Pelvic-hip
- (S) Shoulder
- (T) Thigh
- (X) Upper limb(s) (whole or unknown part)
- (O) Whole body

- (W) Wrist-hand

Aspect of Injury

- (A) Anterior-front
- (B) Bilateral (rib fracture only).
- (C) Central
- (I) Inferior-lower
- (U) Injured, unknown aspect
- (L) Left
- (P) Posterior-back
- (R) Right
- (S) Superior-upper
- (W) Whole region

Lesion

- (A) Abrasion
- (M) Amputation
- (V) Avulsion
- (B) Burn
- (K) Concussion
- (C) Contusion
- (N) Crush

- (G) Detachment, separation
- (D) Dislocation
- (F) Fracture
- (Z) Fracture and dislocation
- (U) Injured, unknown lesion
- (L) Laceration
- (O) Other
- (P) Perforation, puncture
- (R) Rupture
- (S) Sprain
- (T) Strain
- (E) Total severance, transection

System/Organ

- (W) All systems in region
- (A) Arteries-veins
- (B) Brain
- (D) Digestive
- (E) Ears
- (O) Eye
- (H) Heart
- (U) Injured, unknown system

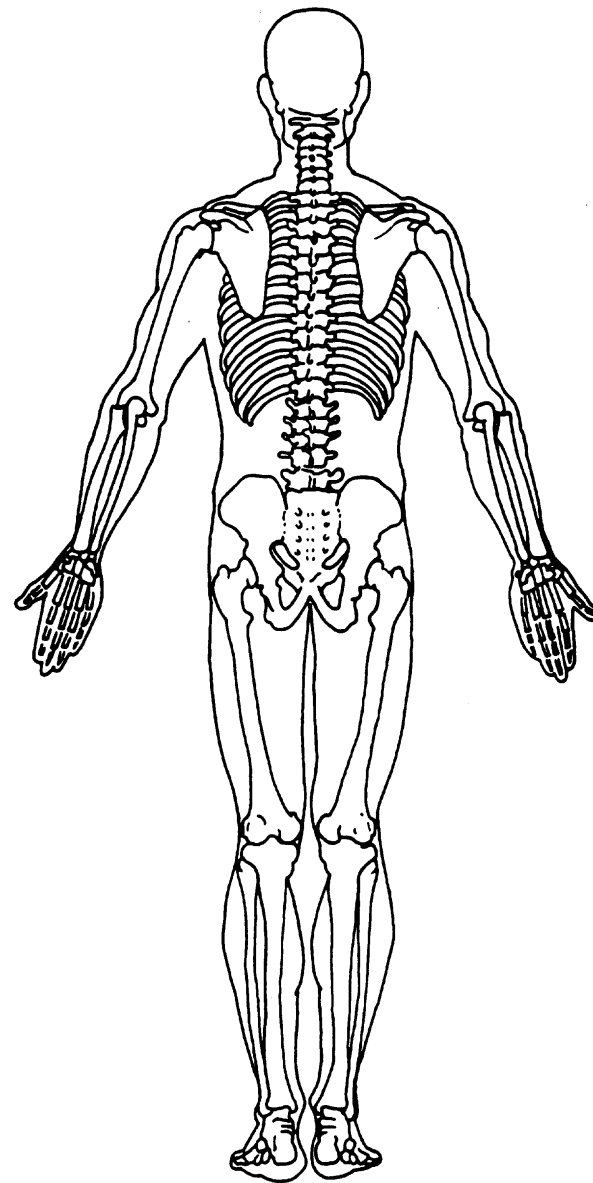
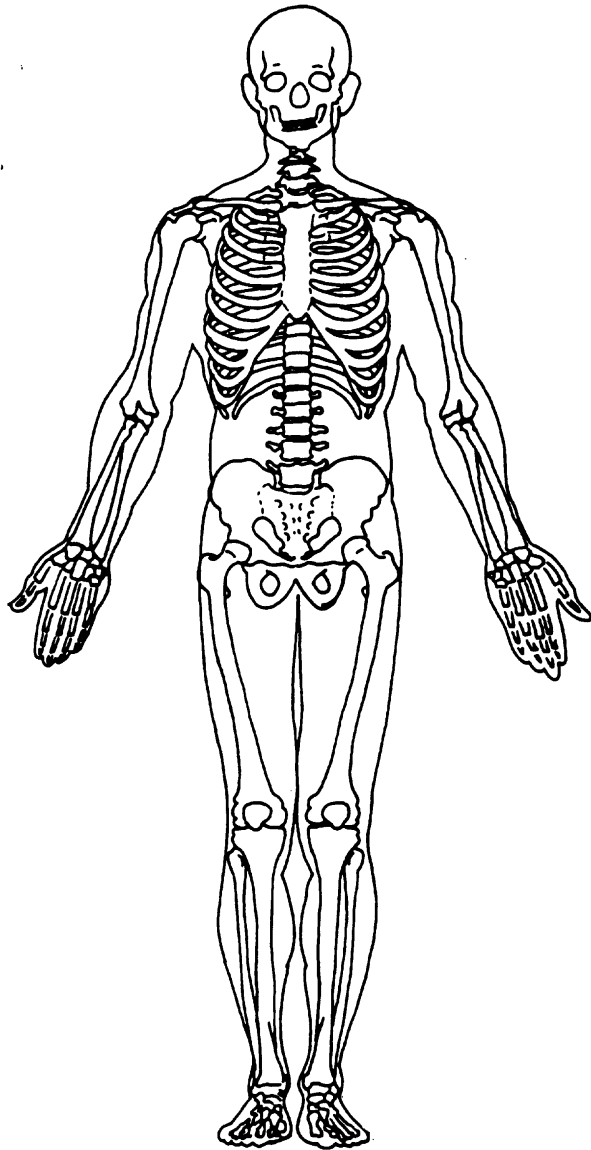
- (I) Integumentary
- (J) Joints
- (K) Kidneys
- (L) Liver
- (M) Muscles
- (N) Nervous system
- (P) Pulmonary-lungs
- (R) Respiratory
- (S) Skeletal
- (C) Spinal cord
- (Q) Spleen
- (T) Thyroid, other endocrine gland
- (G) Urogenital
- (V) Vertebrae

Abbreviated Injury Scale

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

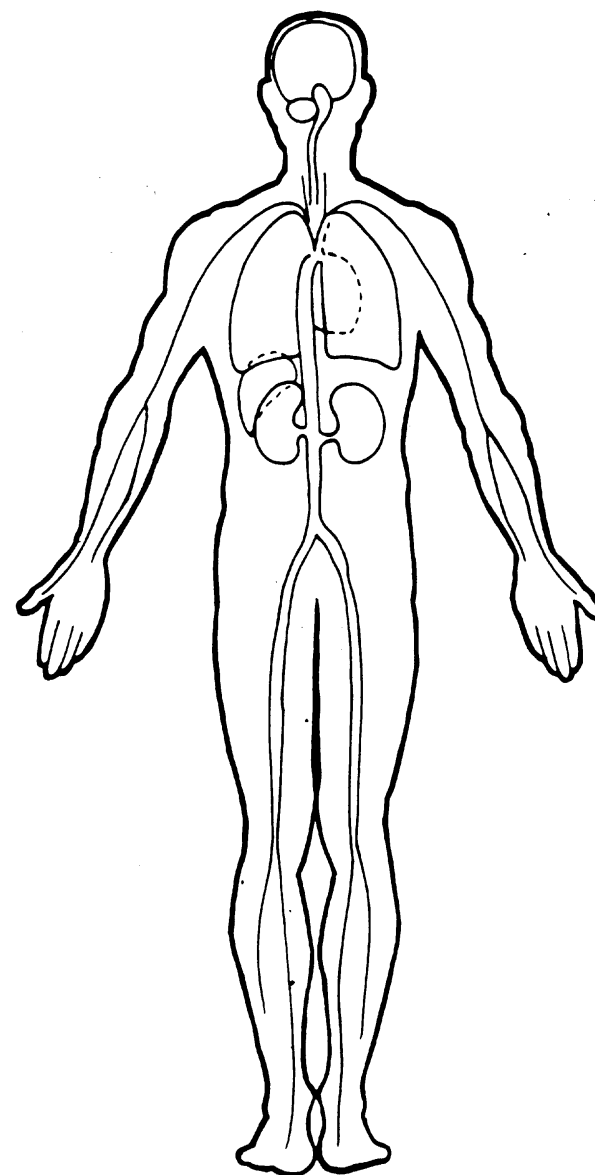
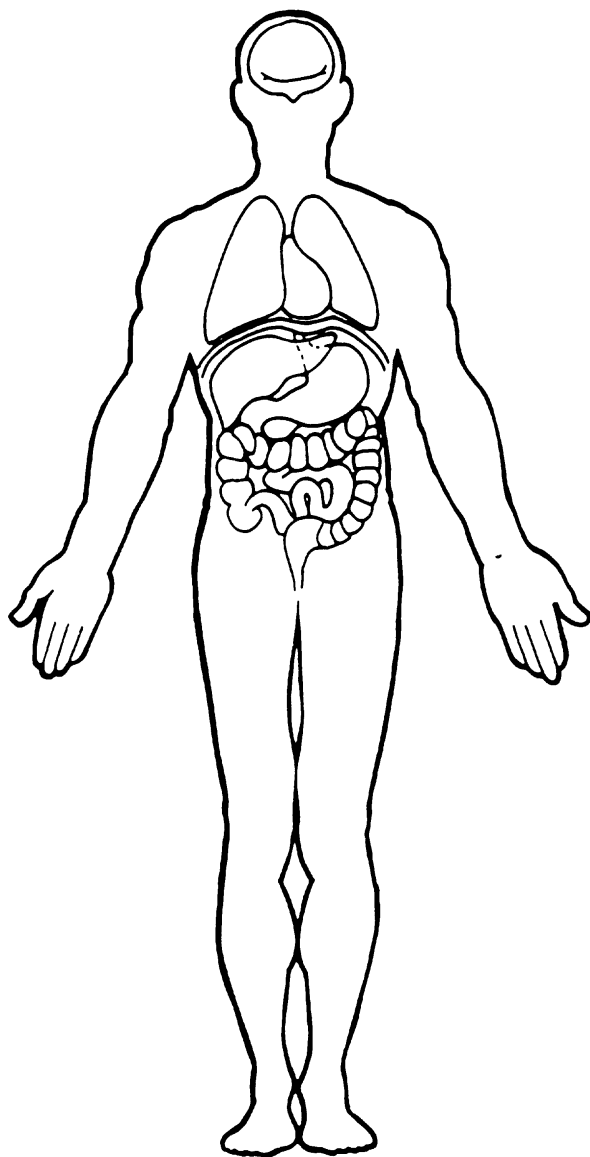
OFFICIAL INJURY DATA – SKELETAL INJURIES

Indicate the *Location, Lesion, Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



OFFICIAL INJURY DATA – INTERNAL INJURIES

Indicate the *Location*, *Lesion*, *Detail* (size, depth, fracture type, head injury clinical signs and neurological deficits), and *Source* of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



EXTERIOR VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

| | | | |
|---------------------------------|-------------|-------------------|-----------|
| 1. Primary Sampling Unit Number | <u>45</u> | 3. Vehicle Number | <u>03</u> |
| 2. Case Number – Stratum | <u>121F</u> | | |

VEHICLE IDENTIFICATION

VIN 1MRBP98F2FY [REDACTED] Model Year 1985
Vehicle Make (specify): LINCOLN Vehicle Model (specify): MARK 7

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line or bumper corner for end impacts or an undamaged axle for side impacts.

| Specific Impact No. | Location of Direct Damage | Location of Field L |
|---------------------|-------------------------------|---------------------|
| 1 | BEGINS 10.2' FROM L.R. CORNER | ENTIRE REAR PLANE |
| | | |
| | | |

CRUSH PROFILE

NOTES: Identify the plane at which the C-measurements are taken (e.g., at bumper, above bumper, at sill, above sill, etc.) and label adjustments (e.g., free space). 6.4

Measure and document on the vehicle diagram the location of maximum crush.

Measure C1 to C6 from driver to passenger side in front or rear impacts and rear to front in side impacts.

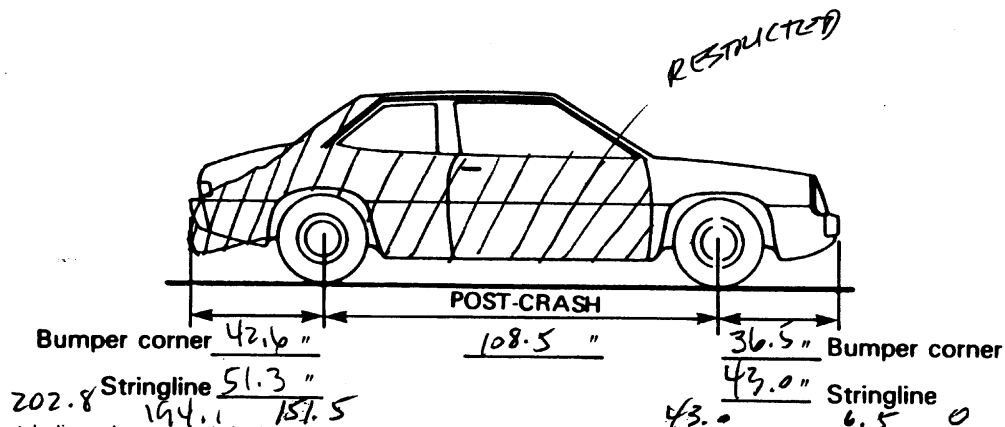
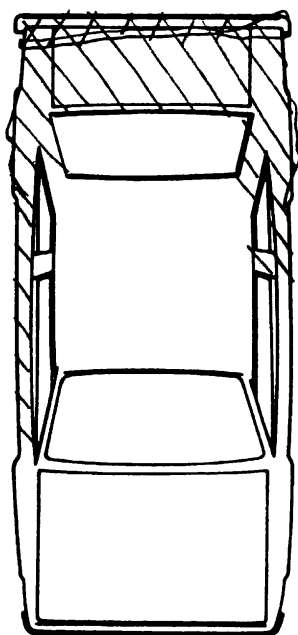
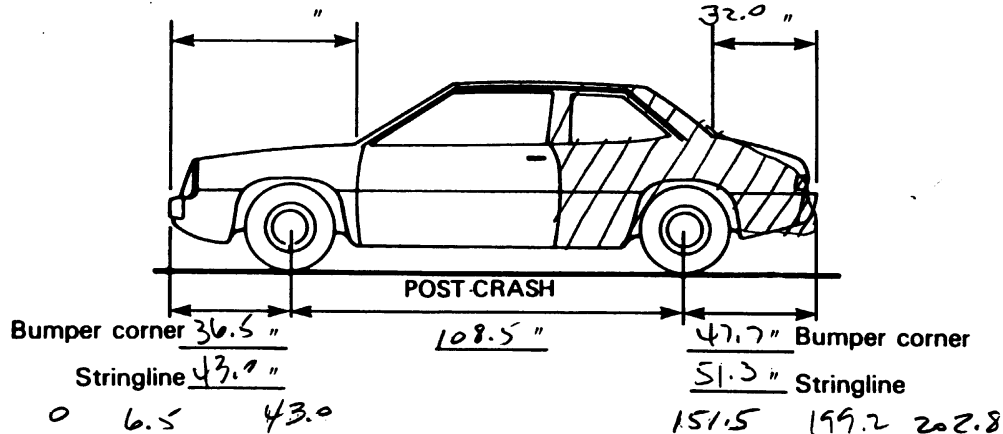
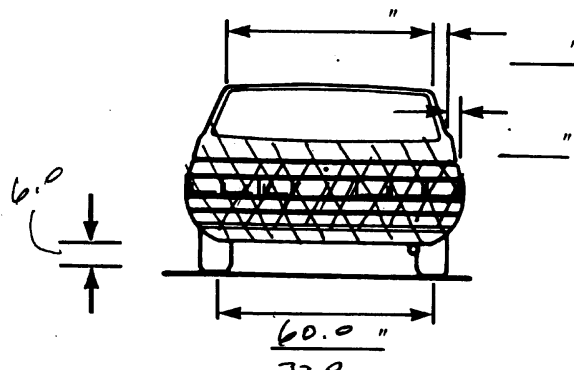
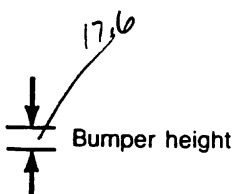
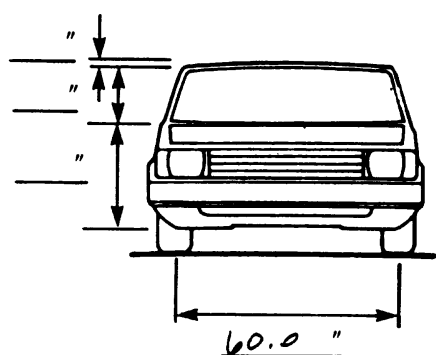
Free space value is defined as the distance between the baseline and the original body contour taken at the individual C locations. This may include the following: bumper lead, bumper taper, side protrusion, side taper, etc. Record the value for each C-measurement and maximum crush.

Use as many lines/columns as necessary to describe each damage profile.

[illegible]

VEHICLE DAMAGE SKETCH

| | | | | |
|---|--|---|--|---|
| TIRE – WHEEL DAMAGE a. Rotation physically restricted RF <u>2</u> LF <u>2</u> RR <u>1</u> LR <u>2</u> (1) Yes (2) No (8) NA (9) Unk. | | ORIGINAL SPECIFICATIONS Wheelbase <u>108.5</u> Overall Length <u>202.8</u> Maximum Width <u>70.9</u> Curb Weight <u>3625</u> Average Track <u>60.0</u> Front Overhang <u>43.0</u> Rear Overhang <u>51.3</u> Engine Size: cyl./ displ. <u>5.0L V8</u> Undeformed End Width <u>59.0</u> | | WHEEL STEER ANGLES (For locked front wheels or displaced rear axles only) RF \pm _____° LF \pm _____° RR \pm _____° LR \pm _____° Within ± 5 degrees |
| TYPE OF TRANSMISSION <input type="checkbox"/> Manual <input checked="" type="checkbox"/> Automatic | | DRIVE WHEELS <input type="checkbox"/> FWD <input checked="" type="checkbox"/> RWD <input type="checkbox"/> 4WD | | |
| | | Approximate Cargo Weight <u>0</u> | | |



NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewall, etc.). If pulling trailer, sketch type of trailer and damage received on the back of this page.

Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

CODES FOR OBJECT CONTACTED

(99) Unknown event or object

[illegible]



INTERIOR VEHICLE FORM

1. Primary Sampling Unit Number 45

2. Case Number—Stratum 121F

3. Vehicle Number 03

INTEGRITY

4. Passenger Compartment Integrity 00

(00) No integrity loss

Yes, Integrity Was Lost Through

(01) Windshield

(02) Door (side)

(03) Door/hatch (rear)

(04) Roof

(05) Roof glass

(06) Side window

(07) Rear window

(08) Roof and roof glass

(09) Windshield and door (side)

(10) Windshield and roof

(11) Side and rear window

(98) Other combination of above (specify):

(99) Unknown

Door, Tailgate Or Hatch Opening

5. LF 1 6. RF 3 7. LR 0 8. RR 0 9. TG/H 0

(0) No door/gate/hatch

(1) Door/gate/hatch remained closed and operational

(2) Door/gate/hatch came open during collision

(3) Door/gate/hatch jammed shut

(8) Other (specify):

(9) Unknown

Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09 ≠ 2, Then Code 0.

10. LF 0 11. RF 0 12. LR 0 13. RR 0 14. TG/H 0

(0) No door/gate/hatch or door not opened

Door, Tailgate, or Hatch Came Open During Collision

(1) Door operational (no damage)

(2) Latch/striker failure due to damage

(3) Hinge failure due to damage

(4) Door structure failure due to damage

(5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage

(6) Latch/striker and hinge failure due to damage

(8) Other failure (specify):

(9) Unknown

GLAZING

Glazing Damage from Impact Forces

15. WS 0 16. LF 0 17. RF 0 18. LR 0 19. RR 0

20. BL 0 21. Roof 0 22. Other 0

(0) No glazing damage from impact forces

(2) Glazing in place and cracked from impact forces

(3) Glazing in place and holed from impact forces

(4) Glazing out-of-place (cracked or not) and not holed from impact forces

(5) Glazing out-of-place and holed from impact forces

(6) Glazing disintegrated from impact forces

(7) Glazing removed prior to accident

(8) No glazing

(9) Unknown if damaged

Glazing Damage from Occupant Contact

23. WS 0 24. LF 0 25. RF 0 26. LR 0 27. RR 0

28. BL 0 29. Roof 0 30. Other 0

(0) No occupant contact to glazing or no glazing

(1) Glazing contacted by occupant but no glazing damage

(2) Glazing in place and cracked by occupant contact

(3) Glazing in place and holed by occupant contact

(4) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact

(5) Glazing out-of-place by occupant contact and holed by occupant contact

(6) Glazing disintegrated by occupant contact

(9) Unknown if contacted by occupant

If No Glazing Damage **And** No Occupant Contact or No Glazing, Then Code IV 31 Through IV 46 As 0

Type of Window/Windshield Glazing

31. WS 0 32. LF 0 33. RF 0 34. LR 0 35. RR 0

36. BL 0 37. Roof 0 38. Other 0

(0) No glazing contact and no damage, or no glazing

(1) AS-1 — Laminated

(2) AS-2 — Tempered

(3) AS-3 — Tempered-tinted

(4) AS-14 — Glass/Plastic

(8) Other (specify):

(9) Unknown

Window Precrash Glazing Status

39. WS 0 40. LF 0 41. RF 0 42. LR 0 43. RR 0

44. BL 0 45. Roof 0 46. Other 0

(0) No glazing contact and no damage, or no glazing

(1) Fixed

(2) Closed

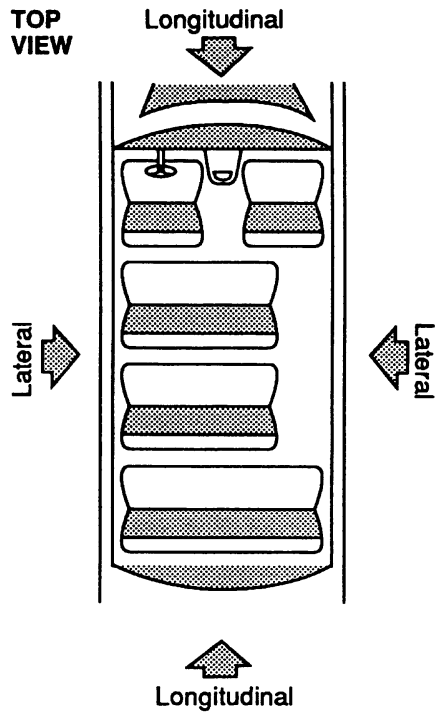
(3) Partially opened

(4) Fully opened

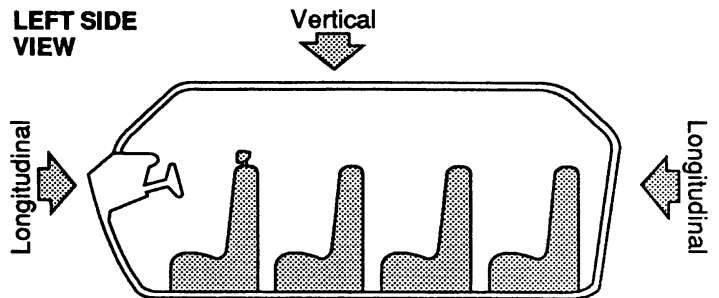
(9) Unknown

INTRUSION WORK SHEET

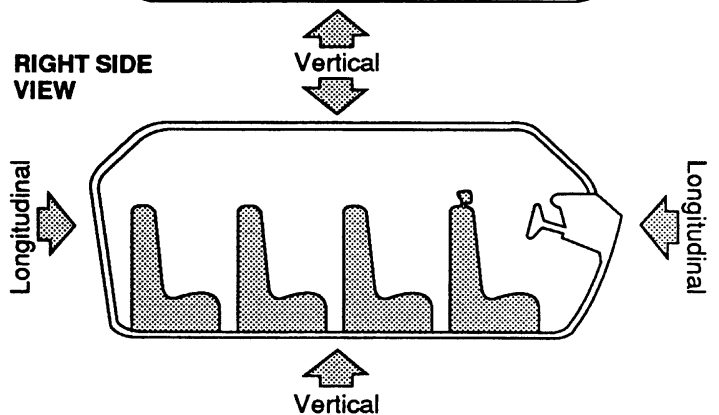
TOP VIEW



LEFT SIDE VIEW



RIGHT SIDE VIEW



Note: Sketch intruded areas

| LOCATION OF INTRUSION | INTRUDED COMPONENT | COMPARISON VALUE | INTRUDED VALUE | INTRUSION | DOMINANT CRUSH DIRECTION |
|-----------------------|--------------------|------------------|----------------|-----------|--------------------------|
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |
| | | - | = | | |

Document no more than the 15 most severe intrusions

OCCUPANT AREA INTRUSION

Note: If no intrusions, leave variables IV 47-IV 86 blank.

| | Location of Intrusion | Intruding Component | Magnitude of Intrusion | Dominant Crush Direction |
|------|-----------------------|---------------------|------------------------|--------------------------|
| 1st | 47._____ | 48._____ | 49.____ | 50.____ |
| 2nd | 51._____ | 52._____ | 53.____ | 54.____ |
| 3rd | 55._____ | 56._____ | 57.____ | 58.____ |
| 4th | 59._____ | 60._____ | 61.____ | 62.____ |
| 5th | 63._____ | 64._____ | 65.____ | 66.____ |
| 6th | 67._____ | 68._____ | 69.____ | 70.____ |
| 7th | 71._____ | 72._____ | 73.____ | 74.____ |
| 8th | 75._____ | 76._____ | 77.____ | 78.____ |
| 9th | 79._____ | 80._____ | 81.____ | 82.____ |
| 10th | 83._____ | 84._____ | 85.____ | 86.____ |

LOCATION OF INTRUSION**Front Seat**

- (11) Left
- (12) Middle
- (13) Right

Second Seat

- (21) Left
- (22) Middle
- (23) Right

Third Seat

- (31) Left
- (32) Middle
- (33) Right

Fourth Seat

- (41) Left
- (42) Middle
- (43) Right

(98) Other enclosed area (specify): _____

(99) Unknown

INTRUDING COMPONENT**Interior Components**

- (01) Steering assembly
- (02) Instrument panel left
- (03) Instrument panel center
- (04) Instrument panel right
- (05) Toe pan
- (06) A-pillar
- (07) B-pillar
- (08) C-pillar
- (09) D-pillar
- (10) Door panel
- (12) Roof (or convertible top)
- (13) Roof side rail
- (14) Windshield
- (15) Windshield header
- (16) Window frame
- (17) Floor pan
- (18) Backlight header
- (19) Front seat back
- (20) Second seat back
- (21) Third seat back
- (22) Fourth seat back
- (23) Fifth seat back
- (24) Seat cushion
- (25) Back panel or door surface
- (26) Other interior component (specify): _____

(27) Side panel - forward of the A-pillar

(28) Side panel - rear of the A-pillar

Exterior Components

- (30) Hood
- (31) Outside surface of vehicle (specify): _____
- (32) Other exterior object in the environment (specify): _____
- (33) Unknown exterior object
- (98) Intrusion of unlisted component(s) (specify): _____
- (99) Unknown

MAGNITUDE OF INTRUSION

- (1) ≥ 1 inch but < 3 inches
- (2) ≥ 3 inches but < 6 inches
- (3) ≥ 6 inches but < 12 inches
- (4) ≥ 12 inches but < 18 inches
- (5) ≥ 18 inches but < 24 inches
- (6) ≥ 24 inches
- (9) Unknown

DOMINANT CRUSH DIRECTION

- (1) Vertical
- (2) Longitudinal
- (3) Lateral
- (9) Unknown

STEERING COLUMN WORKING DIAGRAMS

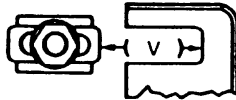
STEERING COLUMN COLLAPSE

Steering Column Shear Module Movement



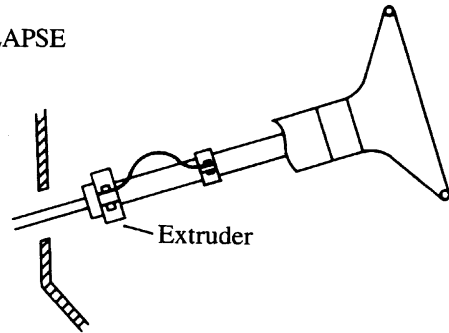
SHEAR CAPSULE

Left ____



Right ____ V = ____"

Direction and Magnitude of Steering Column Movement



Extruder

After Compression

Flare Tube

Possible Remaining Starter Grooves At 6 and 12 o'clock

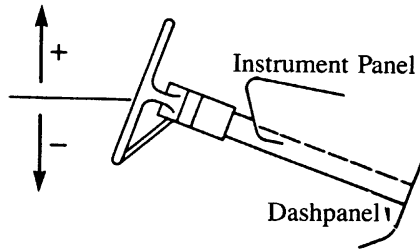
Extruder

Compression = Measurement A

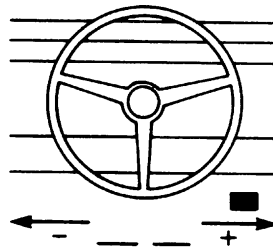
A = ____

STEERING COLUMN MOVEMENT

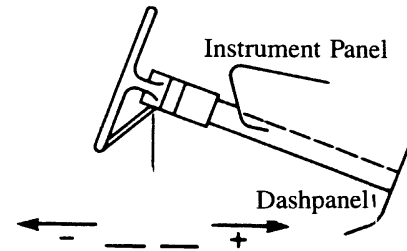
Vertical Movement



Lateral Movement



Longitudinal Movement



| | COMPARISON VALUE | — | DAMAGED VALUE | = | MOVEMENT |
|--------------|------------------|---|---------------|---|----------|
| VERTICAL | | — | | = | |
| LATERAL | | — | | = | |
| LONGITUDINAL | | — | | = | |

STEERING RIM/SPOKE DEFORMATION

| COMPARISON VALUE | — | DAMAGED VALUE | = | DEFORMATION |
|------------------|---|---------------|---|-------------|
| | — | | = | |
| | — | | = | |

STEERING COLUMN**87. Steering Column Type**

- (1) Fixed column
 (2) Tilt column
 (3) Telescoping column
 (4) Tilt and telescoping column
 (8) Other column type (specify):

(9) Unknown

If PDOF \neq 11, 12 or 1, Then Code IV88-IV91 As 96

88. Steering Column Collapse Due to Occupant Loading

_____ Code actual measured movement to the nearest inch. See coding manual for measurement technique(s).

(00) No movement, compression, or collapse

- (01-49) Actual measured value
 (50) 50 inches or greater

Estimated movement from observation

- (81) Less than 1 inch
 (82) \geq 1 inch but $<$ 2 inches
 (83) \geq 2 inches but $<$ 4 inches
 (84) \geq 4 inches but $<$ 6 inches
 (85) \geq 6 inches but $<$ 8 inches
 (86) Greater than or equal to 8 inches
 (96) Not assessed (PDOF \neq 11, 12, 1)
 (97) Apparent movement, value undetermined or cannot be measured or estimated
 (98) Nonspecified type column
 (99) Unknown

Direction And Magnitude of Steering Column Movement**89. Vertical Movement**

+ 96

90. Lateral Movement

+ 96

91. Longitudinal Movement

+ 96

Code the actual measured movement to the nearest inch. See Coding Manual for measurement technique(s)

- (+ 00) No Steering column movement
 (\pm 01 – \pm 49) Actual measured value
 (\pm 50) 50 inches or greater

Estimated movement from observation

- (\pm 81) \geq 1 inch but $<$ 3 inches
 (\pm 82) \geq 3 inches but $<$ 6 inches
 (\pm 83) \geq 6 inches but $<$ 12 inches
 (\pm 84) \geq 12 inches
 (___ 96) Not assessed (PDOF \neq 11, 12, 1)
 (___ 97) Apparent movement $>$ 1 inch but cannot be measured or estimated
 (___ 99) Unknown

92. Steering Rim/Spoke Deformation

_____ Code actual measured deformation to the nearest inch.

- (0) No steering rim deformation
 (1-5) Actual measured value
 (6) 6 inches or more
 (8) Observed deformation cannot be measured
 (9) Unknown

93. Location of Steering Rim/Spoke Deformation

(00) No steering rim deformation

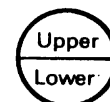
Quarter Sections

- (01) Section A
 (02) Section B
 (03) Section C
 (04) Section D



Half Sections

- (05) Upper half of rim/spoke
 (06) Lower half of rim/spoke
 (07) Left half of rim/spoke
 (08) Right half of rim/spoke



- (09) Complete steering wheel collapse
 (10) Undetermined location
 (99) Unknown

INSTRUMENT PANEL**94. Odometer Reading**

999,000
 DIGITAL miles – Code mileage to the nearest 1,000 miles

- (000) No odometer
 (001) Less than 1,500 miles
 (300) 299,500 miles or more
 (999) Unknown

Source: _____

95. Instrument Panel Damage from Occupant Contact

- (0) No
 (1) Yes
 (9) Unknown

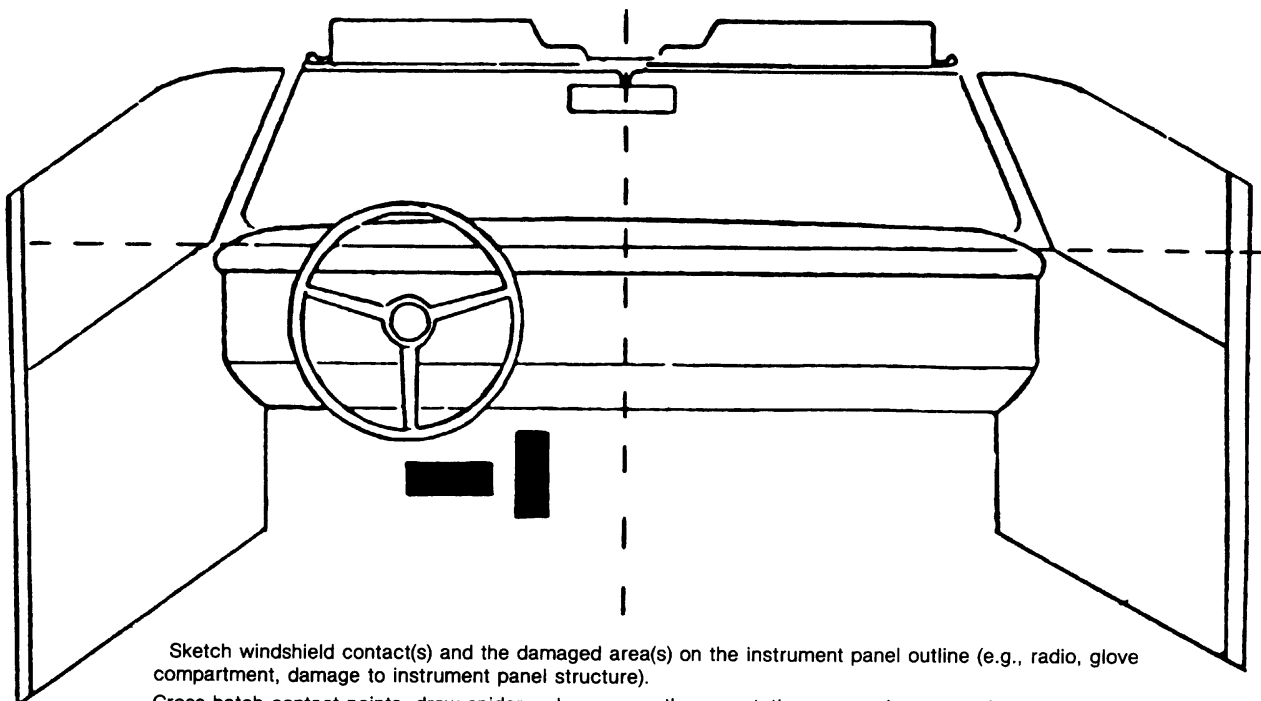
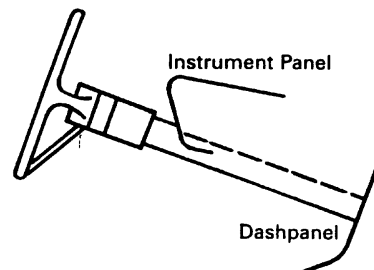
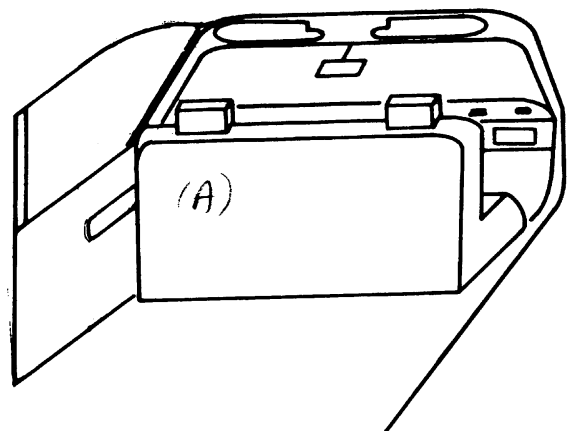
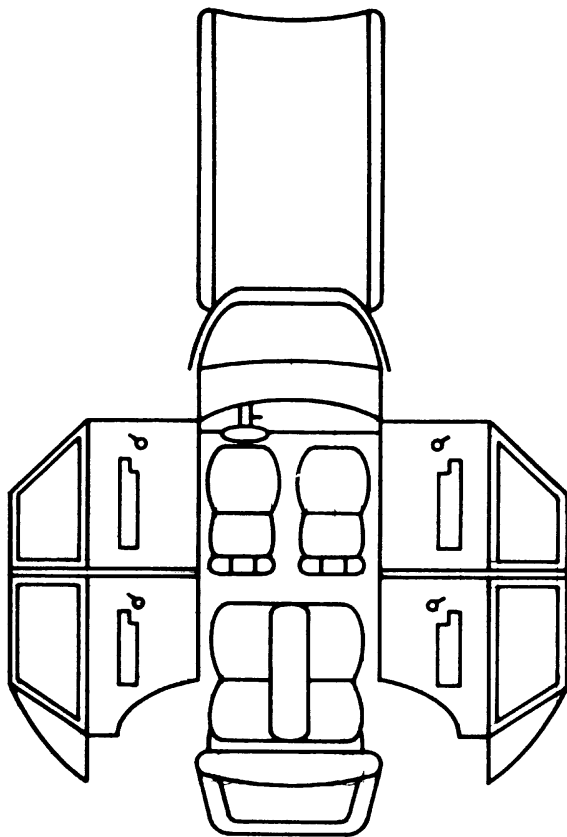
96. Knee Bolsters Deformed from Occupant Contact

- (0) No
 (1) Yes
 (8) Not present
 (9) Unknown

97. Did Glove Compartment Door Open During Collision(s)

- (0) No
 (1) Yes
 (8) Not present
 (9) Unknown

VEHICLE INTERIOR SKETCHES



Sketch windshield contact(s) and the damaged area(s) on the instrument panel outline (e.g., radio, glove compartment, damage to instrument panel structure).

Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.

Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

POINTS OF OCCUPANT CONTACT

| Contact | Interior Component Contacted | Occupant No. If Known | Body Region If Known | Supporting Physical Evidence | Confidence Level of Contact Point |
|---------|------------------------------|-----------------------|----------------------|------------------------------|-----------------------------------|
| A | 40 | 3 | KNEE | BENT SEAT BACK | 2 |
| B | | | | | |
| C | | | | | |
| D | | | | | |
| E | | | | | |
| F | | | | | |
| G | | | | | |
| H | | | | | |
| I | | | | | |
| J | | | | | |
| K | | | | | |
| L | | | | | |
| M | | | | | |
| N | | | | | |

CODES FOR INTERIOR COMPONENTS

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A-pillar, instrument panel, or mirror (passenger side only)
- (16) Other front object (specify): _____

LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A pillar
- (23) Left B pillar
- (24) Other left pillar (specify): _____
- (25) Left side window glass or frame

- (26) Left side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail
- (27) Other left side object (specify): _____

RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A pillar
- (33) Right B pillar
- (34) Other right pillar (specify): _____
- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A-pillar, B-pillar, or roof side rail
- (37) Other right side object (specify): _____

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify): _____
- (44) Head restraint system
- (45) Air cushion
- (46) Other occupants (specify): _____
- (47) Interior loose objects

- (48) Child safety seat (specify): _____

- (49) Other interior object (specify): _____

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor including toe pan
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

REAR

- (60) Backlight (rear window)
- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify): _____

CONFIDENCE LEVEL OF CONTACT POINT

- (1) Certain
- (2) Probable
- (3) Possible
- (4) Unknown

AUTOMATIC RESTRAINTS

NOTES: Encode the data for each applicable front seat position. The attributes for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

| | | Left | Center | Right |
|-----------------------|--------------|------|--------|-------|
| F I R S T | Availability | | | |
| | Function | | | |
| | Failure | | | |

Automatic (Passive) Restraint System Availability

- (0) Not equipped/not available
- (1) Airbag
- (2) Airbag disconnected (specify): _____
- (3) Airbag not reinstalled
- (4) 2 point automatic belts
- (5) 3 point automatic belts
- (6) Automatic belts destroyed or rendered inoperative
- (9) Unknown

Automatic (Passive) Restraint Function

- (0) Not equipped/not available

Automatic Belt

- (1) Automatic belt in use
- (2) Automatic belt not in use
- (3) Automatic belt use unknown

Air Bag

- (4) Airbag deployed during accident
- (5) Airbag deployed inadvertently just prior to accident
- (6) Deployed, accident sequence undetermined
- (7) Nondeployed
- (8) Unknown if deployed
- (9) Unknown

Did Automatic (Passive) Restraint Fail

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify): _____
- (9) Unknown

MANUAL RESTRAINTS

NOTES: Encode the applicable data for **each seat position** in the vehicle. The attributes for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

If a child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous page.

| | | Left | Center | Right |
|----------------------------|---------------|------|--------|-------|
| F I R S T | Availability | 4 | 0 | 4 |
| | Use | 04 | 00 | 04 |
| | Failure Modes | 1 | 0 | 1 |
| S E C O N D | Availability | 3 | 3 | 3 |
| | Use | 00 | 00 | 00 |
| | Failure Modes | 0 | 0 | 0 |
| T H I R D | Availability | | | |
| | Use | | | |
| | Failure Modes | | | |
| O T H E R | Availability | | | |
| | Use | | | |
| | Failure Modes | | | |

Manual (Active) Belt System Availability

- (0) Not available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available – type unknown
- (8) Other belt (specify):

(9) Unknown

(08) Other belt used (specify):

- (12) Shoulder belt used with child safety seat
- (13) Lap belt used with child safety seat
- (14) Lap and shoulder belt used with child safety seat
- (15) Belt used with child safety seat – type unknown
- (18) Other belt used with child safety seat (specify):

(99) Unknown if belt used

Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperative (specify):

- (02) Shoulder belt
- (03) Lap belt
- (04) Lap and shoulder belt
- (05) Belt used – type unknown

Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Manual belt failure(s) (encode all that apply above)
 - [A] Torn webbing (stretched webbing not included)
 - [B] Broken buckle or latchplate
 - [C] Upper anchorage separated
 - [D] Other anchorage separated (specify):

- [E] Broken retractor
- [F] Other manual belt failure (specify):

(9) Unknown

CHILD SAFETY SEAT FIELD ASSESSMENT

When a child safety seat is present enter the occupant's number in the first row and complete the column below the occupant's number using the codes listed below. Complete a column for each child safety seat present.

| | | | | | | |
|------------------------------------|--|--|--|--|--|--|
| Occupant Number | | | | | | |
| 1. Type of Child Safety Seat | | | | | | |
| 2. Child Safety Seat Orientation | | | | | | |
| 3. Child Safety Seat Harness Usage | | | | | | |
| 4. Child Safety Seat Shield Usage | | | | | | |
| 5. Child Safety Seat Tether Usage | | | | | | |
| 6. Child Safety Seat Make/Model | Specify Below for Each Child Safety Seat | | | | | |

1. Type of Child Safety Seat

- (0) No child safety seat
- (1) Infant seat
- (2) Toddler seat
- (3) Convertible seat
- (4) Booster seat
- (7) Other type child safety seat (specify):

- (8) Unknown child safety seat type
- (9) Unknown if child safety seat used

2. Child Safety Seat Orientation

- (00) No child safety seat
- Designed for Rear Facing for This Age/Weight
- (01) Rear facing
- (02) Forward facing
- (03) Other orientation (specify):

- (04) Unknown orientation
- Designed for Forward Facing for This Age/Weight
- (11) Rear facing
- (12) Forward facing
- (18) Other orientation (specify):

- (19) Unknown orientation

- Unknown Design or Orientation for This Age/Weight, or Unknown Age/Weight
- (21) Rear facing
- (22) Forward facing
- (28) Other orientation (specify):

- (29) Unknown orientation

- (99) Unknown if child safety seat used

3. Child Safety Seat Harness Usage

4. Child Safety Seat Shield Usage

5. Child Safety Seat Tether Usage

Note: Options Below Are Used for Variables 3-5.

(00) No child safety seat

Not Designed with Harness/Shield/Tether

(01) After market harness/shield/tether added, not used

(02) After market harness/shield/tether used

(03) Child safety seat used, but no after market harness/shield/tether added

(09) Unknown if harness/shield/tether added or used

Designed with Harness/Shield/Tether

(11) Harness/shield/tether not used

(12) Harness/shield/tether used

(19) Unknown if harness/shield/tether used

Unknown if Designed with Harness/Shield/Tether

(21) Harness/shield/tether not used

(22) Harness/shield/tether used

(29) Unknown if harness/shield/tether used

(99) Unknown if child safety seat used

6. Child Safety Seat Make/Model

(Specify make/model and occupant number)

HEAD RESTRAINTS/SEAT EVALUATION

NOTES: Encode the applicable data for **each seat position** in the vehicle. The attributes for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

| | | Left | Center | Right |
|--------|----------------------------|------|--------|-------|
| FIRST | Head Restraint Type/Damage | 3 | 0 | 3 |
| | Seat Type | 02 | 00 | 02 |
| | Seat Performance | 2E | 0 | 1 |
| SECOND | Head Restraint Type/Damage | 0 | 0 | 0 |
| | Seat Type | 03 | 03 | 03 |
| | Seat Performance | 1 | 1 | 1 |
| THIRD | Head Restraint Type/Damage | | | |
| | Seat Type | | | |
| | Seat Performance | | | |
| OTHER | Head Restraint Type/Damage | | | |
| | Seat Type | | | |
| | Seat Performance | | | |

Head Restraint Type/Damage by Occupant at This Occupant Position

- (0) No head restraints
- (1) Integral – no damage
- (2) Integral – damaged during accident
- (3) Adjustable – no damage
- (4) Adjustable – damaged during accident
- (5) Add-on – no damage
- (6) Add-on – damaged during accident
- (8) Other (specify): _____
- (9) Unknown

Seat Type (This Occupant Position)

- (00) No seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., van type)
- (09) Other seat type (specify): _____
- (99) Unknown

Seat Performance (This Occupant Position)

- (0) No seat
- (1) No seat performance failure(s)
- (2) Seat performance failure(s)
(Encode all that apply)
 - [A] Seat adjusters failed
 - [B] Seat back folding locks failed
 - [C] Seat tracks failed
 - [D] Seat anchors failed
 - ☒ [E] Deformed by impact of passenger from rear
 - [F] Deformed by impact of passenger from front
 - [G] Deformed by own inertial forces
 - [H] Deformed by passenger compartment intrusion (specify): _____

[I] Other (specify): _____

(9) Unknown

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E. UNUSUAL OCCUPANT CONTACT PATTERN)

EJECTION/ENTRAPMENT DATA

Complete the following if the researcher has any indications that an occupant was either ejected from or entrapped in the vehicle. Code the appropriate data on the Occupant Assessment Form.

EJECTION No ☒ Yes ☐

Describe indications of ejection and body parts involved in partial ejection(s):

| | | | | | | |
|-----------------|--|--|--|--|--|--|
| Occupant Number | | | | | | |
| Ejection | | | | | | |
| Ejection Area | | | | | | |
| Ejection Medium | | | | | | |
| Medium Status | | | | | | |

Ejection

- (1) Complete ejection
- (2) Partial ejection
- (3) Ejection, unknown degree
- (9) Unknown

Ejection Area

- (1) Windshield
- (2) Left front
- (3) Right front
- (4) Left rear
- (5) Right rear
- (6) Rear

(7) Roof

- (8) Other area (e.g., back of pickup, etc.) (specify):

- (9) Unknown

Ejection Medium

- (1) Door/hatch/tailgate
- (2) Nonfixed roof structure
- (3) Fixed glazing
- (4) Nonfixed glazing (specify):

(5) Integral structure

- (8) Other medium (specify):

- (9) Unknown

Medium Status (Immediately Prior to Impact)

- (1) Open
- (2) Closed
- (3) Integral structure
- (9) Unknown

ENTRAPMENT No ☒ Yes ☐

Describe entrapment mechanism: _____

Component(s): _____

(Note in vehicle interior diagram)

| | |
|-----------------|-------------|
| PSU NUMBER | <u>45</u> |
| CASE NUMBER | <u>121F</u> |
| VEHICLE NUMBER | <u>03</u> |
| OCCUPANT NUMBER | <u>01</u> |

OCCUPANT INJURY FORM

THE FOLLOWING DATA IS NOT INCLUDED IN THIS CASE:

☒ ENTIRE FORM

☐ PAGE NUMBER (S) _____



CRASHPC PROGRAM SUMMARY

| | | | |
|--------------------------------|--------------------------------------|---|-------------------------------|
| Identifying Title <u>45</u> | Case No. - Stratum <u>1 2 1 F</u> | Accident Event Sequence No. <u>01</u> | Date (mm dd yy) <u>8 9</u> |
| Primary Sampling Unit | | | |

| CRASHPC Vehicle Identification | | | | |
|--------------------------------|-------------|-------------|---------------------|---------------|
| Vehicle 1 | <u>1971</u> | <u>FORD</u> | <u>TORINO WAGON</u> | <u>1</u> |
| Vehicle 2 | <u>1987</u> | <u>FORD</u> | <u>TEMPO</u> | <u>2</u> |
| | Year | Make | Model | NASS Veh. No. |

GENERAL INFORMATION

| VEHICLE 1 | | | | VEHICLE 2 | | | |
|-----------|----------------------|--------------|--------------------------|-----------|----------------------|--------------|--------------------------|
| Size | <u>4</u> | | | Size | <u>2</u> | | |
| Weight | <u>3380</u> | + <u>388</u> | + <u>0</u> = <u>3768</u> | Weight | <u>2462</u> | + <u>140</u> | + <u>0</u> = <u>2602</u> |
| | Curb | Occupant(s) | Cargo | | Curb | Occupant(s) | Cargo |
| CDC | <u>1 2 F D E W 2</u> | | | CDC | <u>0 6 B D E W 5</u> | | |
| PDOF | <u>0 0 0</u> | | | PDOF | <u>1 8 0</u> | | |
| Stiffness | <u>4</u> | | | Stiffness | <u>2</u> | | |

SCENE INFORMATION

| Rest and Impact Positions [] No, Go To Damage Information [] Yes | | | |
|--|-------|-----------------|-------|
| VEHICLE 1 | | VEHICLE 2 | |
| Rest Position | | Rest Position | |
| X | _____ | X | _____ |
| Y | _____ | Y | _____ |
| PSI | _____ | PSI | _____ |
| Impact Position | | Impact Position | |
| X | _____ | X | _____ |
| Y | _____ | Y | _____ |
| PSI | _____ | PSI | _____ |
| Slip Angle | _____ | Slip Angle | _____ |

VEHICLE MOTION

| Sustained Contact [] No [] Yes | | | |
|----------------------------------|-------------------------|---------------------------|-------------------------|
| VEHICLE 1 | | VEHICLE 2 | |
| Skidding | [] No [] Yes | Skidding | [] No [] Yes |
| Skidding Stop Before Rest | [] No [] Yes | Skidding Stop Before Rest | [] No [] Yes |
| End-of-Skidding Position | | End-of-Skidding Position | |
| X | _____ | X | _____ |
| Y | _____ | Y | _____ |
| PSI | _____ | PSI | _____ |
| Curved Path | [] No [] Yes | Curved Path | [] No [] Yes |
| Point on Path | | Point on Path | |
| X | _____ | X | _____ |
| Y | _____ | Y | _____ |
| Rotation Direction | [] None [] CW [] CCW | Rotation Direction | [] None [] CW [] CCW |
| Rotation > 360° | [] No [] Yes | Rotation > 360° | [] No [] Yes |

National Accident Sampling System – Crashworthiness Data System: CrashPC Program Summary

FRICITION INFORMATION

Coefficient of Friction . ____

Rolling Resistance Option ____

Vehicle 1 Rolling Resistance

LF ____ RF ____

LR ____ RR ____

Vehicle 2 Rolling Resistance

LF ____ RF ____

LR ____ RR ____

TRAJECTORY INFORMATION

Trajectory Data [] No [] Yes

If No, Go To Damage Information

Vehicle 1 Steer Angles

LF ____ RF ____

LR ____ RR ____

Vehicle 2 Steer Angles

LF ____ RF ____

LR ____ RR ____

Terrain Boundary [] No [] Yes

First Point

X ____ Y ____

Second Point

X ____ Y ____

Secondary Friction Coefficient . ____

DAMAGE INFORMATION

VEHICLE 1

Damage Length ____ 67.0 ____

Crush Depths

C1 ____ 4.0 ____

C2 ____ 8.5 ____

C3 ____ 18.5 ____

C4 ____ 21.5 ____

C5 ____ 15.5 ____

C6 ____ 21.0 ____

Damage Offset ± ____ 000.00 ____

VEHICLE 2

Damage Length ____ 61.0 ____

Crush Depths

C1 ____ 25.8 ____

C2 ____ 21.7 ____

C3 ____ 17.6 ____

C4 ____ 13.4 ____

C5 ____ 9.7 ____

C6 ____ 5.3 ____

Damage Offset ± ____ 000.00 ____

IF THIS COMMON IMPACT WAS WITH A MOTOR VEHICLE NOT IN TRANSPORT, FILL IN THE INFORMATION BELOW.

Model Year: ____

Make: ____

Model: ____

VIN: ____

The Weight, CDC, Scene Data and Damage Information for this vehicle should be recorded above.

Complete and ATTACH the appropriate vehicle damage sketch and dimensions to the Form.

SUMMARY OF CRASHPC RESULTS (USING SPINOUT)

CRASH3 RECONSTRUCTION

| SPEED CHANGE | | TOTAL (MPH) | LONG. (MPH) | LAT. (MPH) | ANG. (DEG) |
|--------------|--------|-------------|-------------|------------|------------|
| (DAMAGE) | VEH #1 | 20.7 | -20.7 | .0 | .0 |
| | VEH #2 | 30.0 | 30.0 | .0 | -180.0 |

ENERGY DISSIPATED BY DAMAGE VEH#1: 65641.2 FT-LB VEH#2: 69173.2 FT-LB

SUMMARY OF DAMAGE DATA
VEHICLE # 1

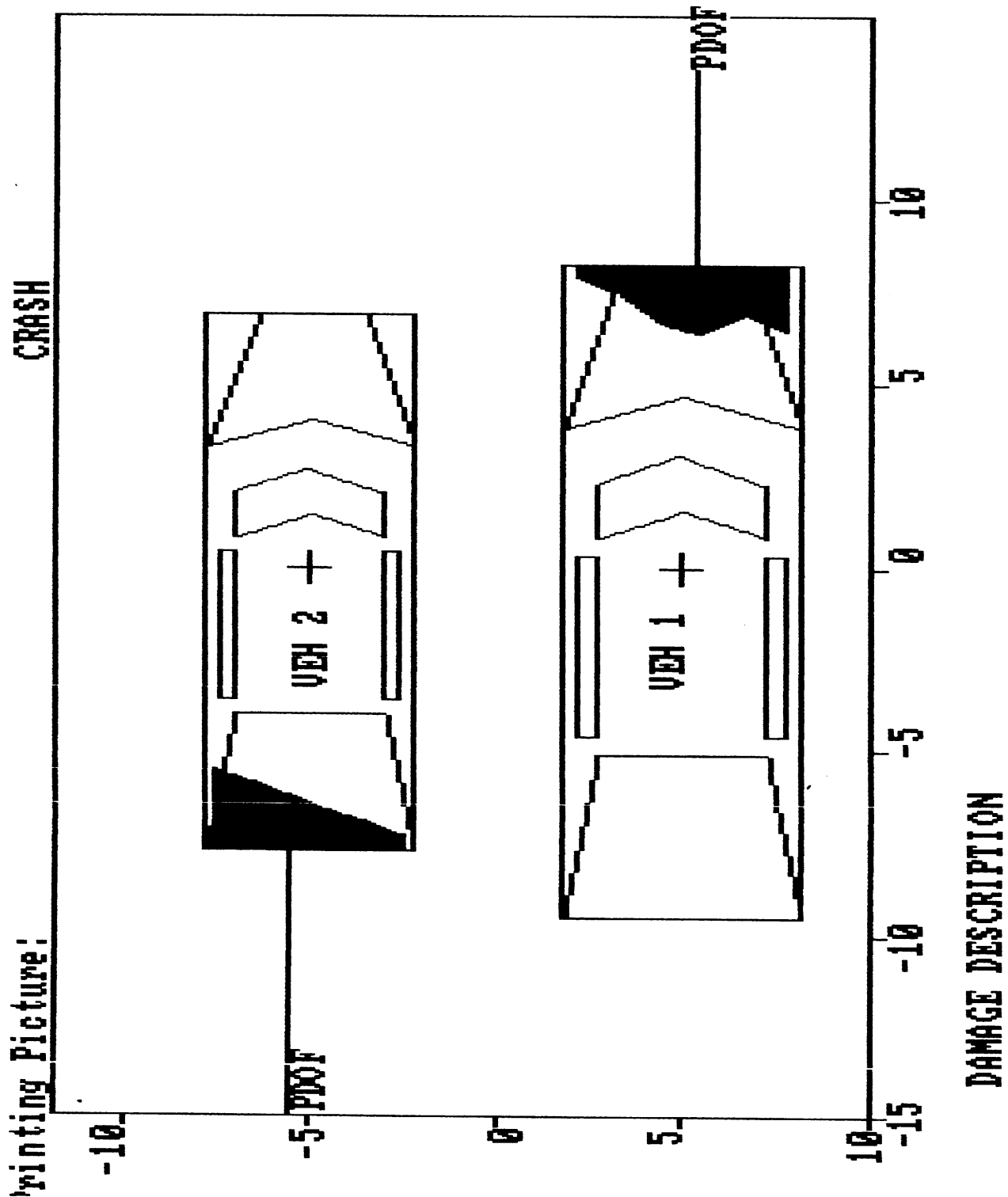
(* INDICATES DEFAULT T VALUE)
VEHICLE # 2

TYPE-----CATEGORY 4
WEIGHT----- 3768.0 LBS.
CDC-----12FDEW2
L----- 67.0 IN.
C1----- 4.0 IN.
C2----- 8.5 IN.
C3----- 18.5 IN.
C4----- 21.5 IN.
C5----- 15.5 IN.
C6----- 21.0 IN.
D----- .0
RHO----- 1.00 *
ANG----- .0 DEG.
D'----- 5.3 IN.

TYPE-----CATEGORY 2
WEIGHT----- 2602.0 LBS.
CDC-----06BDEW5
L----- 61.0 IN.
C1----- 25.8 IN.
C2----- 21.7 IN.
C3----- 17.6 IN.
C4----- 13.4 IN.
C5----- 9.7 IN.
C6----- 5.3 IN.
D----- .0
RHO----- 1.00 *
ANG----- 180.0 DEG.
D'----- -6.6 IN.

DIMENSIONS AND INERTIAL PROPERTIES

| | | | | | | | |
|-----|---|---------|--------------|-----|---|---------|--------------|
| A1 | = | 54.7 | IN. | A2 | = | 46.3 | IN. |
| B1 | = | 59.2 | IN. | B2 | = | 50.1 | IN. |
| TR1 | = | 61.8 | IN. | TR2 | = | 54.6 | IN. |
| I1 | = | 36651.3 | LB-SEC**2-IN | I2 | = | 19964.9 | LB-SEC**2-IN |
| M1 | = | 9.797 | LB-SEC**2/IN | M2 | = | 6.765 | LB-SEC**2/IN |
| XF1 | = | 98.8 | IN. | XF2 | = | 83.3 | IN. |
| XR1 | = | -114.0 | IN. | XR2 | = | -91.6 | IN. |
| YS1 | = | 38.5 | IN. | YS2 | = | 33.6 | IN. |





CRASHPC PROGRAM SUMMARY

| | | | |
|--------------------------------|-------------------------------------|---|------------------------------|
| Identifying Title <u>45</u> | <u>12 1 F</u> Case No. - Stratum | <u>02</u> Accident Event Sequence No. | <u>89</u> Date (mm dd yy) |
| Primary Sampling Unit | | | |

| CRASHPC Vehicle Identification | | | | |
|--------------------------------|---------------------|------------------------|------------------------|------------------------------|
| Vehicle 1 | <u>1987</u> Year | <u>FORD</u> Make | <u>TEMPO</u> Model | <u>2</u> NASS Veh. No. |
| Vehicle 2 | <u>1985</u> Year | <u>LINCOLN</u> Make | <u>MARK 7</u> Model | <u>3</u> NASS Veh. No. |

GENERAL INFORMATION

| VEHICLE 1 | | | VEHICLE 2 | | |
|-----------|---|-------------------|-----------|---|-------------------|
| Size | <u>2</u> | | Size | <u>3</u> | |
| Weight | <u>2462</u> + <u>140</u> + <u>0</u> = <u>2602</u> | | Weight | <u>3625</u> + <u>390</u> + <u>0</u> = <u>4015</u> | |
| | Curb | Occupant(s) Cargo | | Curb | Occupant(s) Cargo |
| CDC | <u>12 F D E W 1</u> | | CDC | <u>06 B D E W 2</u> | |
| PDOF | <u>000</u> | | PDOF | <u>180</u> | |
| Stiffness | <u>9</u> | | Stiffness | <u>3</u> | |

SCENE INFORMATION

| Rest and Impact Positions [] No, Go To Damage Information [] Yes | |
|--|------------------|
| VEHICLE 1 | VEHICLE 2 |
| Rest Position | Rest Position |
| X _____ | X _____ |
| Y _____ | Y _____ |
| PSI _____ | PSI _____ |
| Impact Position | Impact Position |
| X _____ | X _____ |
| Y _____ | Y _____ |
| PSI _____ | PSI _____ |
| Slip Angle _____ | Slip Angle _____ |

VEHICLE MOTION

| Sustained Contact [] No [] Yes | |
|--|--|
| VEHICLE 1 | VEHICLE 2 |
| Skidding [] No [] Yes | Skidding [] No [] Yes |
| Skidding Stop Before Rest [] No [] Yes | Skidding Stop Before Rest [] No [] Yes |
| End-of-Skidding Position | End-of-Skidding Position |
| X _____ | X _____ |
| Y _____ | Y _____ |
| PSI _____ | PSI _____ |
| Curved Path [] No [] Yes | Curved Path [] No [] Yes |
| Point on Path | Point on Path |
| X _____ Y _____ | X _____ Y _____ |
| Rotation Direction [] None [] CW [] CCW | Rotation Direction [] None [] CW [] CCW |
| Rotation > 360° [] No [] Yes | Rotation > 360° [] No [] Yes |

FRICTION INFORMATION

Coefficient of Friction

Rolling Resistance Option

Vehicle 1 Rolling Resistance

LF RF

LR RR

Vehicle 2 Rolling Resistance

LF RF

LR RR

TRAJECTORY INFORMATION

Trajectory Data [] No [] Yes

If No, Go To Damage Information

Vehicle 1 Steer Angles

LF RF

LR RR

Vehicle 2 Steer Angles

LF RF

LR RR

Terrain Boundary [] No [] Yes

First Point

X Y

Second Point

X Y

Secondary Friction Coefficient

DAMAGE INFORMATION

VEHICLE 1

Damage Length 57.0

Crush Depths

C1 1.6

C2 5.7

C3 5.4

C4 5.5

C5 5.8

C6 3.8

Damage Offset ± 00000

VEHICLE 2

Damage Length 59.0

Crush Depths

C1 6

C2 3.1

C3 5.2

C4 5.5

C5 5.9

C6 5.7

Damage Offset ± 00000

IF THIS COMMON IMPACT WAS WITH A MOTOR VEHICLE NOT IN TRANSPORT, FILL IN THE INFORMATION BELOW.

Model Year:

Make:

Model:

VIN:

The Weight, CDC, Scene Data and Damage Information for this vehicle should be recorded above.

Complete and ATTACH the appropriate vehicle damage sketch and dimensions to the Form.

SUMMARY OF CRASHFC RESULTS (USING SPINOUT)

CRASH3 RECONSTRUCTION

| SPEED CHANGE | | TOTAL (MPH) | LONG. (MPH) | LAT. (MPH) | ANG. (DEG) |
|--------------|--------|-------------|-------------|------------|------------|
| (DAMAGE) | VEH #1 | 16.9 | -16.9 | .0 | .0 |
| | VEH #2 | 11.0 | 11.0 | .0 | -180.0 |

ENERGY DISSIPATED BY DAMAGE VEH#1: 20022.2 FT-LB VEH#2: 21206.0 FT-LB

SUMMARY OF DAMAGE DATA
VEHICLE # 1

(* INDICATES DEFAULT T VALUE)
VEHICLE # 2

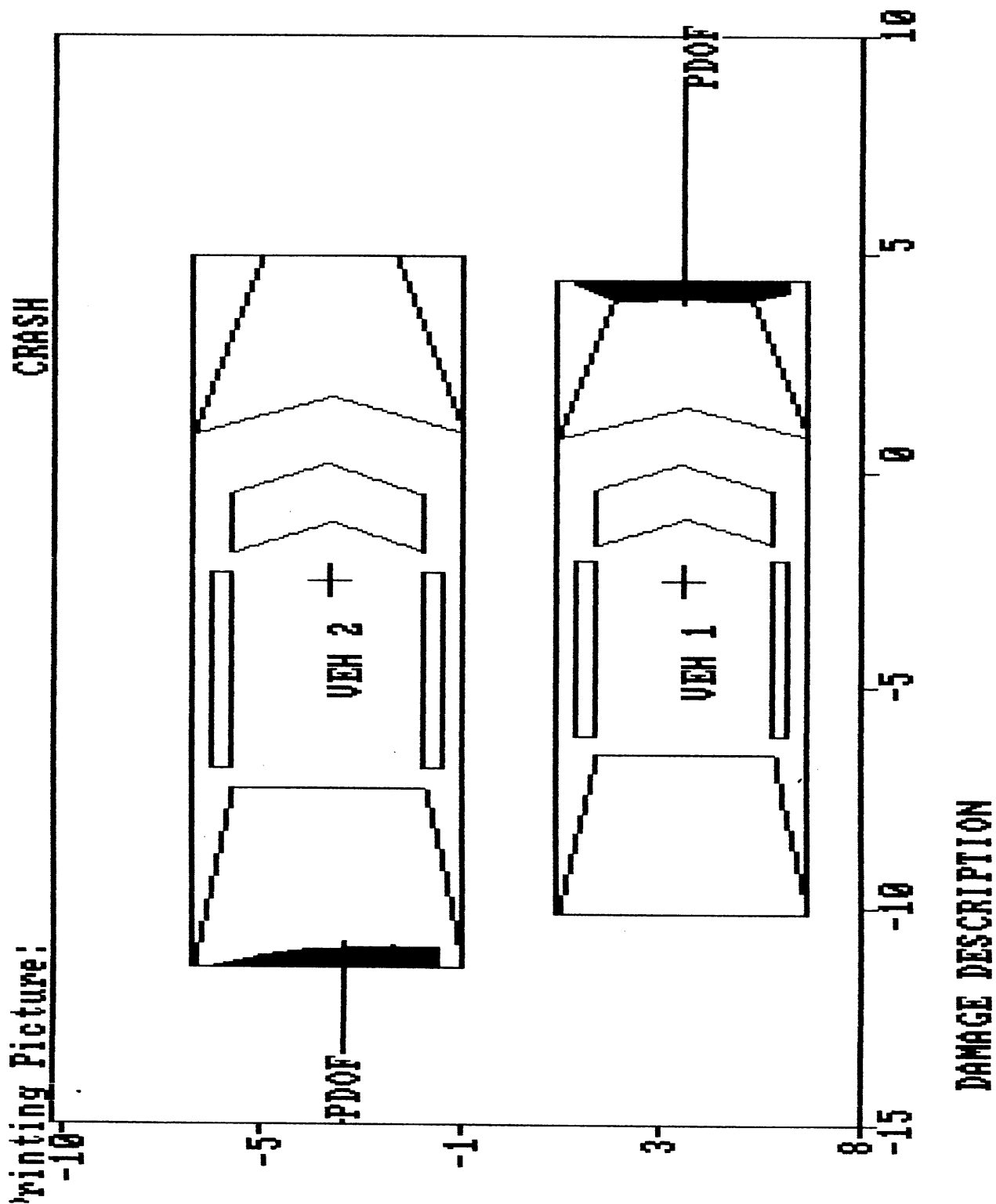
TYPE-----CATEGORY 2
WEIGHT----- 2602.0 LBS.
CDC-----12FDEW1
L----- 57.0 IN.
C1----- 1.6 IN.
C2----- 5.7 IN.
C3----- 5.4 IN.
C4----- 5.5 IN.
C5----- 5.8 IN.
C6----- 3.8 IN.
D----- .0
RHO----- 1.00 *
ANG----- .0 DEG.
D'----- 1.2 IN.

TYPE-----CATEGORY 3
WEIGHT----- 4015.0 LBS.
CDC-----06BDEW2
L----- 59.0 IN.
C1----- .6 IN.
C2----- 3.1 IN.
C3----- 5.2 IN.
C4----- 5.5 IN.
C5----- 5.9 IN.
C6----- 5.7 IN.
D----- .0
RHO----- 1.00 *
ANG----- 180.0 DEG.
D'----- 5.1 IN.

DIMENSIONS AND INERTIAL PROPERTIES

BEST AVAILABLE

| | | | | | | | |
|-----|---|---------|--------------|-----|---|---------|--------------|
| A1 | = | 46.3 | IN. | A2 | = | 51.3 | IN. |
| B1 | = | 50.1 | IN. | B2 | = | 55.5 | IN. |
| TR1 | = | 54.6 | IN. | TR2 | = | 58.9 | IN. |
| I1 | = | 19964.9 | LB-SEC**2-IN | I2 | = | 34700.6 | LB-SEC**2-IN |
| M1 | = | 6.765 | LB-SEC**2/IN | M2 | = | 10.439 | LB-SEC**2/IN |
| XF1 | = | 83.3 | IN. | XF2 | = | 89.8 | IN. |
| XR1 | = | -91.6 | IN. | XR2 | = | -106.4 | IN. |
| YS1 | = | 33.6 | IN. | YS2 | = | 36.3 | IN. |



GG0181 2 If ALCOHOL/DRUG PRESENCE GV11 equals 0 or 2, then ALCOHOL TEST
GG0182 GV12 should not equal 05-49.

GG0191 2 If ALCOHOL TEST GV12 equals 05-49, then ALCOHOL/DRUG PRESENCE
GG0192 GV11 should equal 1, 3 or 4.

45121F00000011 92.1310000000000319050000002 89 89 89
45121F00010012 92.1310000000000104F0202B
45121F00020012 92.1310000000000202F0303B
45121F01000021 2.13 000000000711201006F1A42H1584 19909645042010202034
00000000000000121-21 000656410
45121F01000031 2.13 000000000010212FDEW02 060040919221621 000
011140
45121F01000041 2.13 000000000011111000000200000B8200000001000000010000000
45121F01000042 2.13 0000000000
100 00 00 00000091180
45121F01010051 2.13 0000000006617420111100000030000000030310000000000001410
09700000000005
45121F01010161 2.13 00000000003FSCI11013100
45121F01010261 2.13 00000000003KRLI1101100
45121F01010361 2.13 00000000003KLCI11091100
45121F01010461 2.13 00000000003RLI11043100
45121F01010561 2.13 00000000003RLAI11043100
45121F01020051 2.13 0000000007026618721300000030000000030310000000000001410
09700000000005
45121F01020161 2.13 00000000003FSCI11011100
45121F01020261 2.13 00000000003KRCI11111100
45121F01020361 2.13 00000000003KLCI1101100
45121F01020461 2.13 00000000003KRAI11111100
45121F01020561 2.13 00000000003KLAI1101100
45121F02000021 2.13 0000020008712015021FABP33SXHK 19902645012110101025
000000000000000130+30 000692210
45121F02000031 2.13 000000000010106BDEW05020312FDEW01061262218131005 000057
020605060604 000010999
45121F02000041 2.13 000000000061100000000200600B8200000001002000010010000
45121F02000042 2.13 0000000000231942211932212022222022232022112421
196 96 96 96000045180
45121F02010051 2.13 00000000003716514011100000040000000030220000000000001410
09900000000003
45121F02010161 2.13 00000000003FRLI11013100
45121F02010261 2.13 00000000003CLCI11043100
45121F02010361 2.13 00000000003FRLD1013100
45121F03000021 2.13 00000000008513002021MRBP98F2FY 19909645019810303036
00000000350000111+11 000212110
45121F03000031 2.13 000000000020206BDEW02 059010305060606 000
011085
45121F03000041 2.13 0000000000013000000000000000B8000000000000000000000000
45121F03000042 2.13 0000000000
196 96 96 96000999080
45121F03010051 2.13 00000000003517419511100000040411000530220000000000000000
00000000000000
45121F03020051 2.13 000000000031268125213000000404110005302100000000000000000
00000000000000
45121F03030051 2.13 0000000000724807022100000030000000000310000000000000000
09700000000000
45121F88888888 92.131000000000YY0303YYY0301Y00000000000000000000000000000000
00000000
45121F99999999 92.13100000000000000000000002000000000000000000000000000000
00000000000000

| | | | |
|--------|---|---|-------------------|
| | | VEH NUM = 01 | OCCUPANT NUM = 01 |
| | | VEH NUM = 01 | OCCUPANT NUM = 02 |
| GH0031 | 2 | If BODY TYPE GV07 equals 01-06 and MODEL YEAR GV04 is greater | |
| GH0032 | | than 67 but not 99 and OCCUPANT POSITION DA10 equals 11 or 13 and | |
| GH0033 | | PASSIVE AVAILABILITY DA21 does not equal 4, then MANUAL BELT | |
| GH0034 | | AVAILABILITY DA17 should equal 4, 5, 8 or 9. | |
| | | VEH NUM = 01 | OCCUPANT NUM = 01 |
| GH0031 | 2 | If BODY TYPE GV07 equals 01-06 and MODEL YEAR GV04 is greater | |
| GH0032 | | than 67 but not 99 and OCCUPANT POSITION DA10 equals 11 or 13 and | |
| GH0033 | | PASSIVE AVAILABILITY DA21 does not equal 4, then MANUAL BELT | |
| GH0034 | | AVAILABILITY DA17 should equal 4, 5, 8 or 9. | |
| | | VEH NUM = 01 | OCCUPANT NUM = 02 |
| GT0011 | 2 | If TOTAL DELTA V GV30 is greater than or equal to 30, and less | |
| GT0012 | | than 99, then at least one A.I.S. SEVERITY DI10(n) should be | |
| GT0013 | | greater than or equal to 2. | |
| | | VEH NUM = 02 | |

1989 NATIONAL ACCIDENT SAMPLING SYSTEM

ERROR SUMMARY SCREEN

[REDACTED], 1989

CURRENT VERSION: 2.13

| FORM NAME | NUMBER OF DOLLAR SIGNS | NUMBER OF LEVEL 1 ERRORS | NUMBER OF LEVEL 2 ERRORS | VERSION NUMBER CONSISTENT |
|---------------------|---------------------------|--------------------------------|--------------------------------|---------------------------------|
| Accident | 0 | 0 | 0 | Y |
| General Vehicle | 0 | 0 | 2 | Y |
| Vehicle Exterior | 0 | 0 | 0 | Y |
| Vehicle Interior | 0 | 0 | 0 | Y |
| Occupant Assessment | 0 | 0 | 0 | Y |
| Occupant Injury | 0 | 0 | 0 | Y |
| Total Inter Errors | | 0 | 3 | |
| Total Case Errors | 0 | 0 | 5 | |



**NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM**

HS Form 434B
1/88

[illegible]



PSU 45-121F (1989) #1



PSU 45-121F (1989) #2



PSU 45-121F (1988) #3



PSU 45-121F (1989) #4



PSU 45-121F (1989) #5



PSU 45-121F (1989) #6



PSU 45-121F (1989) #7



PSU 45-121F (1989) #8



PSU 45-121F (1989) #9



PSU 45-121F (1989) #10



PSU 45-121F (1989) #11



PSU 45-121F (1988) #12



PSU 45-121F (1989) #13



PSU 45-121F (1989) #14



PSU 45-121F (1989) #15



PSU 45-121F (1989) #16
Best Available



PSU 45-121F (1989) #17



PSU 45-121F (1989) #18
Best Available



PSU 45-121F (1988) #19
Best Available



PSU 45-121F (1989) #20
Best Available



PSU 45-121F (1989) #21
Best Available



PSU 45-121F (1989) #22
Best Available



PSU 45-121F (1989) #23
Best Available



PSU 45-121F (1989) #24
Best Available



PSU 45-121F (1989) #25
Best Available



PSJ 45-121F (1989) #26
Best Available



PSU 45-121F (1989) #27
Best Available



PSU 45-121F (1989) #28
Best Available



PSU 45-121F (1989) #29
Best Available



PSU 45-121F (1989) #30
Best Available



PSU 45-121F (1989) #31



PSU 45-121F (1989) #32



PSU 45-121F (1989) #33



PSU 45-121F (1989) #34



PSU 45-121F (1989) #35



PSU 45-121F (1989) #36



PSU 45-121F (1989) #37



PSU 45-121F (1989) #38



PSU 45-121F (1989) #39



PSU 45-121F (1989) #40



PSU 45-121F (1989) #41



PSU 45-121F (1989) #42



PSU 45-121F (1989) #43
Best Available



PSU 45-121F (1989) #44
Best Available



PSU 45-121F (1989) #45
Best Available



PSU 45-121F (1989) #46
Best Available



PSU 45-121F (1989) #47
Best Available



PSU 45-121F (1989) #48
Best Available



PSU 45-121F (1989) #49
Best Available



PSU 45-121F (1989) #50
Best Available



PSU 45-121F (1989) #51
Best Available



PSU 45-121F (1989) #52
Best Available



PSU 45-121F (1989) #53
Best Available



PSU 45-121F (1989) #54
Best Available



PSU 45-121F (1989) #55



PSU 45-121F (1988) #56



PSU 45-121F (1989) #57



PSU 45-121F (1989) #58



PSU 45-121F (1989) #59



PSU 45-121F (1989) #60
Best Available



PSU 45-121F (1989) #61
Best Available



PSU 45-121F (1989) #62
Best Available



PSU 45-121F (1989) #63
Best Available



PSU 45-121F (1989) #64



PSU 45-121F (1989) #65



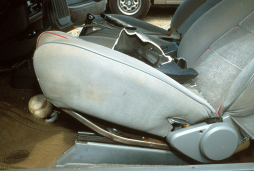
PSU 45-121F (1999) #66



PSU 45-121F (1989) #67



PSU 45-121F (1989) #68



PSU 45-121F (1989) #69



PSU45-121F (1989) #70



PSU 45-121F (1989) #71
Best Available



PSU 45-121F (1989) #72
Best Available



PSU 45-121F (1989) #73
Best Available



PSU 45-121F (1989) #74
Best Available



PSU 45-121F (1989) #75
Best Available



PSU 45-121F (1989) #76
Best Available



PSU 45-121F (1989) #77
Best Available



PSU 45-121F (1989) #78
Best Available



PSU 45-121F (1989) #79
Best Available



PSJ 45-121F (1989) #80
Best Available



PSU 45-121F (1989) #81
Best Available



PSU 45-121F (1989) #62



PSU 45-121F (1989) #83



PSU 45-121F (1989) #84



PSU 45-121F (1989) #85



PSU 45-121F (1989) #86



PSU 45-121F (1989) #87



PSU 45-121F (1989) #88



PSJ 45-121F (1989) #89



PSU 45-121F (1989) #90



PSU 45-121F (1988) #91



PSU 45-121F (1989) #92